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Storage Area Networking

Interoperability Guide

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Preface

This guide contains vendor certification information for QLogic Fibre Channel switches and adapters, iSCSI adapters, and intelligent storage routers. Certification data has been gathered from QLogic certification records, partner Web sites, collateral documentation, suppliers, and storage-industry trade alliances.

NOTE:

The following interoperability information should be used only as a guide. Hardware and software levels and releases may vary, and numerous hardware and software combinations are possible. QLogic makes no representation or guarantee regarding the compatibility of specific hardware or software products.

Intended Audience

This guide is a resource for developers and consultants who want to provide QLogic-powered products, solutions, and services to their customers. It allows them to identify the certified SAN components best suited to their needs.

Related Materials

In addition to this guide, the following interoperability guides are also available:

- *QLogic Converged Networking Interoperability Guide*—a comprehensive resource for identifying compatible QLogic Fibre Channel over Ethernet (FCoE) products.
- *QLogic HPC Interoperability Guide*—a comprehensive resource for identifying compatible QLogic InfiniBand™ products.

NOTE:

- Current interoperability guides can be downloaded from http://connect.qlogic.com/interopguide/thanks_pdf.asp.
- For information about interoperability, refer to http://www.qlogic.com/Interoperability/Pages/Interoperability.aspx.
- For complete product line information, visit the QLogic Web site at http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

QLogic NETtrack Developer Center

The QLogic NETtrack Developer Center (NDC) provides QLogic partners and customers with the infrastructure to test, profile, and certify their applications. The NDC's state-of-the-art server, networking, and storage technology allows clients to test their applications' scaling and performance capabilities without making significant investments in their own computing and testing resources.

The NDC offers an extensive array of High Performance Computing (HPC), storage, and networking resources and infrastructure that includes the following:

- FCoE host and switching infrastructure
- Multiple HPC clusters (up to 256 cores)
- InfiniBand-DDR interconnect (20Gbps)
- InfiniBand, SAN, and NAS storage systems
- Support for multiple operating systems (Linux®, Windows®, and VMware®)
- Remote access or hosted visits
- Assigned support liaison

For more information and the NDC registration form, see http://www.qlogic.com/NETtrack/Pages/NETtrackDeveloperCenter.aspx.

QLogic Networking University

QLogic Networking University provides the latest in industry news, best-in-class training resources, and informative white papers. With easy links to industry associations, the latest press concerning data networking, and training resources, Networking University helps you stay current with data networking.

By using these resources, you can make informed purchase decisions and target the data networking products best suited to help you achieve your technical and business objectives. Take a look at this informative knowledge center: Networking University.

How to Use this Guide

The information in this guide was collected from QLogic partners and is organized as follows:

- Section 1, Product Overview—This section describes the QLogic network platform, the QLogic product line, and the Network Certification Logo program. There is also a quick reference for all of the partner matrices in this guide.
- Section 2, Partner Matrices—This section lists the partners alphabetically. For accuracy and familiarity, each partner's interoperability matrices are presented in the format provided by the partner. Different partners offer different solutions, test criteria, and environments; therefore, the interoperability matrices vary from section to section.

Documentation Conventions

This guide uses the following documentation conventions:

- **NOTE:** provides additional information.
- Text in blue font indicates a hyperlink (jump) to a figure, table, or section in this guide, and links to Web sites are shown in underlined blue. For example:
  - Table 9-2 lists problems related to the user interface and remote agent.
  - See “Installation Checklist” on page 3-6.
  - For more information, visit www.qlogic.com.
- Text in *italics* indicates terms, emphasis, variables, or document titles. For example:
  - For a complete listing of license agreements, refer to the *QLogic Software End User License Agreement*.
  - What are *shortcut keys*?
  - To enter the date type *mm/dd/yyyy* (where *mm* is the month, *dd* is the day, and *yyyy* is the year).

Contact Information

QLogic, a NASDAQ Global Select company and part of the S&P 500, is a global leader and technology innovator in high performance networking, including adapters, switches, and ASICs. Leading OEMs and channel partners worldwide rely on QLogic products for their data, storage and server networking solutions.

For more information about QLogic markets and applications, sales channels, products, milestones, and technology roadmaps, please visit the QLogic Web site at www.qlogic.com, For current QLogic contact information for sales, support, training, channel programs, and partner programs, please see http://www.qlogic.com/CompanyInfo/Pages/ContactUs.aspx.

1 Product Overview

QLogic products provide cost-effective Fibre Channel and iSCSI SAN solutions for enterprises of all sizes. This section describes the following:

- QLogic Network Platform
- QLogic Product Line
- Network Certification Program
- Interoperability Quick Reference

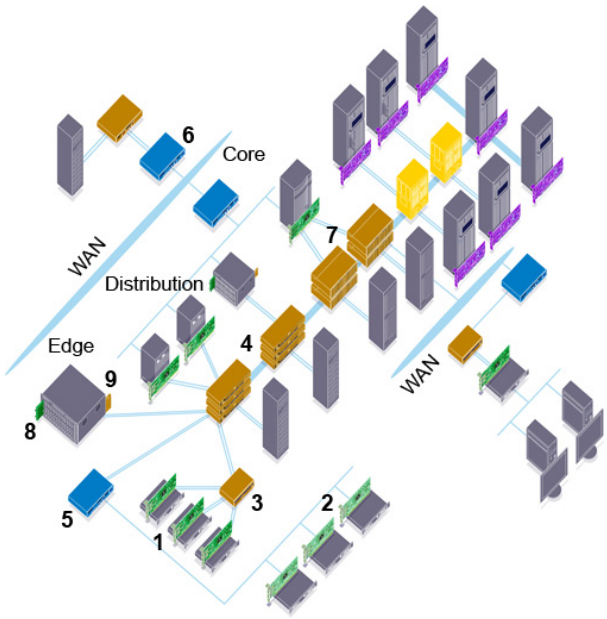
QLogic Network Platform

Table 1-1 illustrates the roles that QLogic products perform in a network infrastructure. For details about the QLogic Fibre Channel and iSCSI SAN product lines and specifications, visit the QLogic Web site at http://www.qlogic.com/products/.

For details about QLogic network component interoperability with partner products, see the specific partner section. The QLogic Network Platform table at the beginning of the partner section illustrates how that partner's products interoperate with QLogic network components; detailed interoperability tables follow.

Table 1-1. QLogic Network Platform

QLogic Product	
1	QL*x*2300/2400/2500 Fibre Channel Adapters
2	QL*x*40*xx* iSCSI Adapters
3	SB140*x* and SB3810 Fibre Channel Switches
4	SB5*xxx* Fibre Channel Switches
5	iSR6140 and iSR62*xx* Routers
6	iSR6142 and iSR62*xx* Routers
7	SB9*xxx* Fibre Channel Switches
8	Blade Server Adapters
9	Blade Server Switch Modules



QLogic Product Line

The QLogic Fibre Channel and iSCSI SAN product lines are described in the following paragraphs. For complete product line information, refer to the QLogic Web site at http://www.qlogic.com/products/.

- **QLogic SAN networking adapters, switches, and routers.** Adapters provide server connectivity throughout the SAN. Switches provide the switched fabric that connects servers to storage. Routers connect low-cost servers to SAN storage and allow data replication across a WAN.

- **Fibre Channel Adapters**—8Gb, 4Gb, and 2Gb adapters for PCI-X™ 2.0, PCI Express®, and SBus solutions.
- **iSCSI Adapters**—full TCP/IP offload (TOE) for maximum CPU performance.
- **SB14*xx* Fibre Channel Switches**—an affordable, easy-to-use, entry-level 10-port Fibre Channel switch. This switch is available in 2Gb and 4Gb models, and is designed for the unique needs of small to medium-sized businesses.
- **SB3810 Fibre Channel Switch**—an affordable, easy-to-use, entry-level 8-port, 8Gb Fibre Channel switch. This switch is designed for the unique needs of small to medium-sized businesses.
- **SB520*x* Fibre Channel Stackable Switches**—2Gb Fibre Channel switches with 10Gb trunk ports.
- **SB560*x* Fibre Channel Stackable Switches**—4Gb Fibre Channel switches with 10Gb trunk ports.
- **SB580*x*V Fibre Channel Stackable Switches**—8Gb Fibre Channel switches with 10Gb trunk ports that can be upgraded to 20Gb.
- **iSR61*xx* Intelligent Storage Routers**—multi-protocol routers with two 2Gb Fibre Channel ports and two 1Gb iSCSI ports.
- **iSR62*xx* Intelligent Storage Routers**—multi-protocol routers with two 8Gb Fibre Channel ports, two 1Gb iSCSI ports (iSR6240), and two 10Gb iSCSI ports (iSR6250).
- **SB9*xxx* Fibre Channel Stackable Chassis Switches**—4Gb or 8Gb Fibre Channel switches with up to two hundred fifty-six ports and optional 10Gb trunking ports provide the availability and performance of a director.

- **Blade Server Products**—Blade Server products with QLogic technology are available from partner OEMs.
  - Adapters for Blade Servers
  - Switch modules for Blade Servers; pass-thru modules for transparent routing

Network Certification Program

QLogic is not simply a Fibre Channel adapter and switch company. QLogic has built a complete networking platform of multi-protocol switches, Fibre Channel-iSCSI routers, and InfiniBand adapters and switches, delivering an entire storage network topology.

To complement the end-to-end network, QLogic has introduced a new way of reporting interoperability data: the Network Certification Program. Partners receive the following network certification logos based on the type of components they test in the QLogic network.

QLogic Data Center Certification—the partner tested any combination of QLogic adapters with any combination of QLogic switches or routers.

QLogic Wide Area Certification—the partner tested any combination of adapters and switches across a wide area network using a QLogic intelligent storage router.

Interoperability Quick Reference

Table 1-2 is a summary of the interoperability matrices found in this guide.

Table 1-2. QLogic Interoperability Quick Reference

	QLogic Switches and Routers							QLogic Adapters								Blade Servers	
	SB1400 Series Switches (4Gb)	SB5200 Series Switches (2Gb)	SB5600 Series Switches (4Gb)	SB5800V Series Switches (8Gb)	SB3810 Fibre Channel Switches	SB9000 Series Switches	iSR6000 Series Routers	QLA230x PCI Adapters (2Gb)	QLA23xx PCI-X Adapters (2Gb)	QCP23xx cPCI Adapters (2Gb)	QSB23xx SBus Adapters (2Gb)	QLA24xx PCI-X 2.0 Adapters (4Gb)	QLE24xx PCI Express Adapters	QLE25xx PCI Express Adapters	QLx40xx iSCSI Adapters (1Gb)	Switch Modules for Blade Servers	Adapters for Blade Servers
3Leaf Systems		●	●						●				●				
3PAR		●	●	●		●		●	●			●	●	●		●	●
AC&NC			●			●			●			●	●	●	●		●
AdventNet	●	●	●					●	●			●					
Apple	●	●	●	●	●	●											
Atempo									●								
ATTO Technology		●	●	●		●							●		●		
BakBone		●	●	●	●	●			●			●	●	●	●		
Brocade	●	●	●	●		●	●	●	●			●	●	●	●		●
CA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●
Ciena		●							●								
CipherMax		●	●						●				●				
CipherOptics							●										
Cisco		●	●					●	●	●	●	●	●	●		●	●
Citrix									●	●	●	●	●	●	●		●
Cloverleaf			●	●		●			●				●	●			●
CommandSoft		●	●						●			●	●				
CommVault		●	●	●	●	●		●	●		●	●	●	●	●		●
Compellent		●	●			●	●	●	●			●	●		●		●
DataCore	●	●	●	●	●	●		●	●			●	●	●			●
Dell	●	●	●	●		●	●		●			●	●	●	●		●
Dell EqualLogic	●					●	●								●		
DNF	●	●	●			●			●			●	●		●		●
Dot Hill		●	●			●			●			●	●	●			
Egenera									●								
EMC	●	●	●	●	●	●	●		●			●	●	●	●	●	●
Enhance Technology	●								●				●		●		
FalconStor		●	●	●		●	●		●			●	●	●	●		●

Table 1-2. QLogic Interoperability Quick Reference (Continued)

	QLogic Switches and Routers							QLogic Adapters								Blade Servers	
	SB1400 Series Switches (4Gb)	SB5200 Series Switches (2Gb)	SB5600 Series Switches (4Gb)	SB5800V Series Switches (8Gb)	SB3810 Fibre Channel Switches	SB9000 Series Switches	iSR6000 Series Routers	QLA230x PCI Adapters (2Gb)	QLA23xx PCI-X Adapters (2Gb)	QCP23xx cPCI Adapters (2Gb)	QSB23xx SBus Adapters (2Gb)	QLA24xx PCI-X 2.0 Adapters (4Gb)	QLE24xx PCI Express Adapters	QLE25xx PCI Express Adapters	QLx40xx iSCSI Adapters (1Gb)	Switch Modules for Blade Servers	Adapters for Blade Servers
Finisar		●	●														
Fujitsu Computer Systems	●								●			●	●				
Hewlett-Packard	●			●			●					●	●	●			●
Hitachi Data Systems		●	●	●	●		●		●	●		●	●	●	●		
Hitatchi Global Storage Technologies			●					●	●			●	●				
HP LeftHand P4000 SAN Solutions	●		●			●	●								●		●
HP PolyServe		●	●					●	●			●					
IBM													●	●	●	●	●
Infortrend	●	●	●	●		●	●		●			●	●	●	●		
Intransa															●		
iQstor	●	●	●			●	●		●			●	●	●	●		●
iStor															●		●
LSI		●	●	●		●	●					●	●	●	●		
Matrox			●									●	●				
NEC												●	●				
NetApp	●	●	●	●		●	●	●	●			●	●	●	●	●	
Newtech	●	●							●			●	●	●			●
Nexsan Technologies	●	●	●	●	●	●			●					●	●		●
Open-E									●	●	●	●	●		●		●
Oracle				●	●	●								●			
Overland Storage	●	●	●	●		●						●	●	●	●		
Pillar	●	●	●			●			●	●		●	●		●	●	●
Promise	●	●	●	●		●						●	●	●			
Qualstar		●	●					●	●			●	●	●	●		●
Quantum		●	●	●		●	●	●	●			●	●	●	●		●
RELData	●		●						●			●	●		●		
Sanbolic		●	●	●		●		●	●				●	●			●
SANRAD		●													●		
Scalent								●	●			●		●			
Seagra			●														
SEPATON		●	●					●	●			●	●				
SGI														●			

Table 1-2. QLogic Interoperability Quick Reference (Continued)

	QLogic Switches and Routers							QLogic Adapters								Blade Servers	
	SB1400 Series Switches (4Gb)	SB5200 Series Switches (2Gb)	SB5600 Series Switches (4Gb)	SB5800V Series Switches (8Gb)	SB3810 Fibre Channel Switches	SB9000 Series Switches	iSR6000 Series Routers	QLA230x PCI Adapters (2Gb)	QLA23xx PCI-X Adapters (2Gb)	QCP23xx cPCI Adapters (2Gb)	QSB23xx SBus Adapters (2Gb)	QLA24xx PCI-X 2.0 Adapters (4Gb)	QLE24xx PCI Express Adapters	QLE25xx PCI Express Adapters	QLx40xx iSCSI Adapters (1Gb)	Switch Modules for Blade Servers	Adapters for Blade Servers
SmartOptics		●	●	●		●											
Spectra Logic		●				●		●	●			●	●		●		●
StoneFly															●		●
Sun	●	●	●	●		●	●	●	●	●		●	●	●	●		●
Symantec	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●
Tandberg Data								●	●			●	●				
Texas Memory Systems			●	●		●		●	●			●	●	●			
Thales nCipher			●					●	●			●	●				
Tivoli Software		●						●	●								
Virtual Iron	●	●	●	●		●			●			●	●	●			●
VMware	●	●	●	●		●		●	●			●	●	●	●		●
WildPackets													●	●			
Winchester Systems		●	●						●	●		●	●				
Xiotech		●	●	●		●	●		●		●	●	●	●	●		●
Xyratex	●	●	●	●		●	●	●	●		●	●	●	●			

2 Partner Matrices

NOTE:

The following interoperability information should be used only as a guide. Hardware and software levels and releases may vary, and numerous hardware and software combinations are possible. QLogic makes no representation or guarantee regarding the compatibility of specific hardware or software products.

Partners are listed in this section in alphabetical order. Figure 2-1 shows the partner interoperability format.

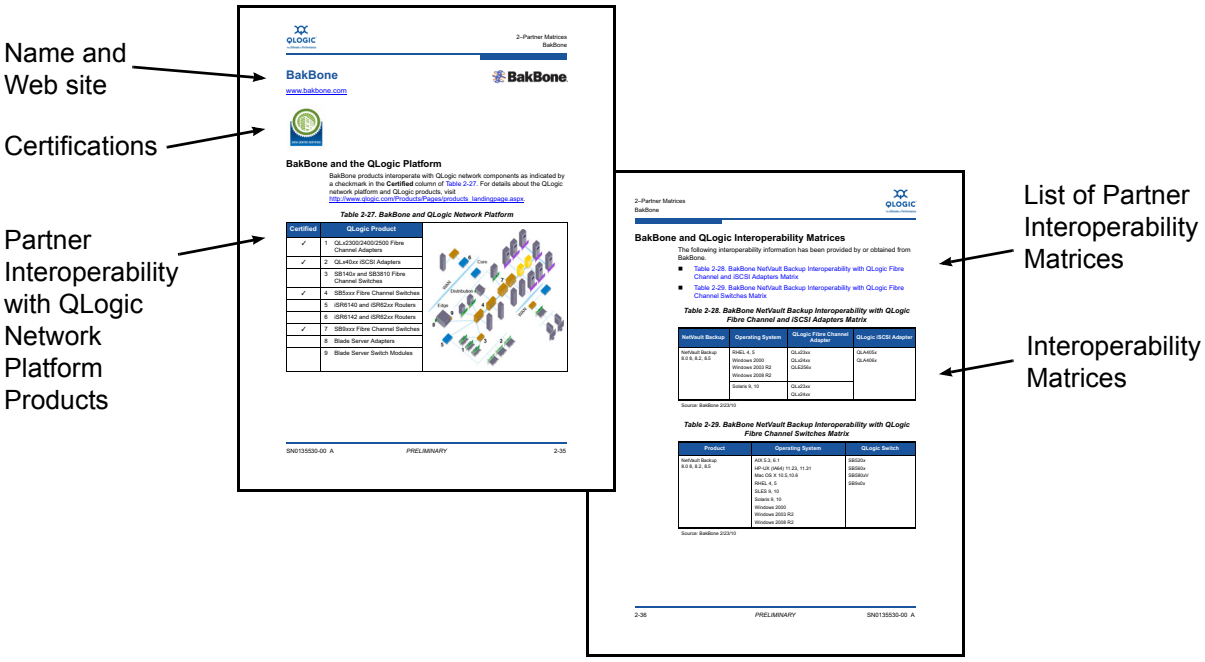


Figure 2-1. Partner Interoperability Format

3Leaf Systems

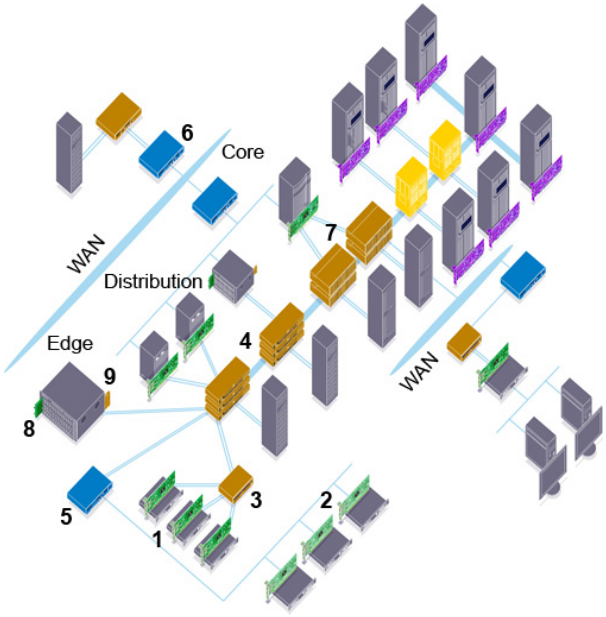
www.3leafsystems.com

3Leaf and the QLogic Platform

3Leaf Systems, Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-1. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-1. 3Leaf and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



3Leaf and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from 3Leaf®.

Table 2-2. 3Leaf V-8000 Virtual I/O Server Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Red Hat® Enterprise Linux 4.2, 4.4[a], 5 SUSE Linux Enterprise Server (SLES) 9, 10 VMware ESX 3.0.1 Windows 2003	QLA2342 QLE2462	SB520*x* SB560*x*

Table Notes
[a] RHEL 4.4 has been certified with the QLE2462.

Source: 3Leaf 8/21/07

3PAR

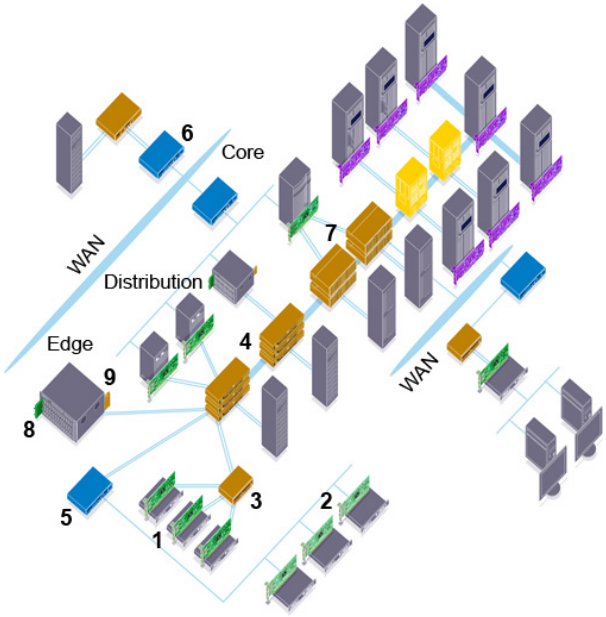
www.3par.com

3PAR and the QLogic Network Platform

3PAR® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-3. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-3. 3PAR and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



3PAR and QLogic Interoperability Matrices

The solutions in the following matrix have been provided by or obtained from 3PAR.

- Table 2-4. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.3.1 Operating System Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-5. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.3.1 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix
- Table 2-6. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.3.1 Operating System Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-7. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-8. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix
- Table 2-9. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-10. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System with QLogic Fibre Channel Adapters Matrix
- Table 2-11. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix
- Table 2-12. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-4. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.3.1 Operating System Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Adapter
HP-UX 11i	HP®: AB378A, AB378B, AB379A, AB379B HP: A6826A, A9782A, A9784A
Red Hat	QLE2560, QLE2562 QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462
Oracle® Enterprise Linux	QLE2560, QLE2562 QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462
Solaris 8, 9	QLA2460, QLA2462, QLA2464, QLE2460, QLE2462, QLE2464 QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QLA2344
Solaris 10	QLE2560, QLE2562 QLA2460, QLA2462, QLA2464, QLE2460, QLE2462, QLE2464 QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QLA2344
SUSE SLES	QLE2560, QLE2562 (SLES10 only) QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462
VMware ESX and ESXi	QLE2560, QLE2562 (SLES10 only) QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462
Windows 2000 Windows 2003 32-Bit Windows 2003 64-Bit Windows 2003 64-Bit Itanium	QLE2560, QLE2562 QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462
Windows 2008 32-Bit, R1, R2 Windows 2008 64-Bit, R1, R2 Windows Server 2008 Itanium R1, R2	QLE2560, QLE2562 QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462

Source: 3PAR, 01/10

Table 2-5. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.3.1 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix

Blade Server	Operating System	HP Adapter (QLogic Adapter)	QLogic Switch
IBM® BladeCenter Blades: HS20/21/22 HS40/41 LS20/21/41 JS21	Windows 2000 Windows 2003 32-Bit Windows 2003 x64 Windows 2008 32-Bit Windows 2008 (x64) VMware 3.*x* Linux (RH, SUSE) Solaris x86	44x1945 (QMI2582) 44x1940 (QMI3572) 26R0890 (QMC2462s) 26R0884 (QMC2463) 41Y852 (QMI2472) 39Y9306 (QMI3472) 26K4859, 26K4841	All QLogic Blade-Server chassis-embedded switches and optical pass-thru modules
HP BladeSystem 7000, c3000 (c-Class) blades: BL260c, BL280c, BL460c, BL465c, BL480c, BL490c, BL495c, BL680c, BL685c, BL860c, BL870c		403619-B21 (QMH2462)	
Dell PowerEdge 1855 blade enclosure: 1955 BladeServer M1000e blade enclosure: M600, M605, M610, M710, M805, M905 Blade Servers		(QME2572) 430-2786 (QME2472) 341-3574 (QME2462)	

Source: 3PAR 01/10

Table 2-6. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.3.1 Operating System Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch
SB520*x* (2Gb) SB560*x* (4Gb) SB580*x* (8Gb) SB9*x*00 (4Gb, 8Gb)

Source: 3PAR 01/10

Migration to 4Gb or 8Gb switches is recommended; support for 2Gb switches is scheduled to end May, 2013.

Table 2-7. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Adapter
HP-UX 11i v1, v2 , v3	HP A6826A (QLA2342-UX-HP-BK) HP A9782A (ISP2312 (ASIC only)) HP A9784A (ISP2312 (ASIC only)) HP AB378A (ISP2422 (ASIC only)) HP AB378B (ISP2422 (ASIC only)) HP AB379A (QLA2462-HP-SP) HP AB379B (QLA2462-HP-SP)
Red Hat 3.0 AS, ES	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
Red Hat Enterprise Linux 4, 5	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256x
Solaris 8, 9 SPARC®	QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2464 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
Solaris 10 SPARC	QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464, QLE256x Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
Solaris 10 x86	QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLE2400, QLE2460, QLE2462, QLE2464, QLE256x Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-7. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapter
SUSE SLES 9 SP2, SP3	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
SUSE SLES 10 SP1, SP2	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256x
VMware ESX 3.0, 3.0.x, 3.5, 3.i	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
Windows 2000 SP4 Windows 2003 32-Bit SP1, SP2, R2 SP1, R2 SP2 Windows 2003 64-Bit SP1, SP2, R2 SP1, R2 SP2 Windows 2003 64-Bit Itanium SP1, SP2	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
Windows 2008 32-Bit Windows 2008 64-Bit Windows Server 2008 Hyper-V	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256x

Source: 3PAR 5/15/09

Table 2-8. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix

Operating System	QLogic Adapter for Blade Servers
AIX	IBM QLogic 4Gb SFF Fibre Channel Expansion Card (IBM 26R0890) (QMC2462S)
Red Hat Enterprise Linux 4, 5 Red Hat 3.0 AS, ES	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)
Solaris 10 x86	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers Dell CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472)

Table 2-8. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapter for Blade Servers
SUSE SLES 9 SP2, SP3 SUSE SLES 10 SP1, SP2	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)
VMware 3.x	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (IBM 26R0884) (QMC2462) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)

Table 2-8. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapter for Blade Servers
Windows 2000 SP4 Windows 2003 32-Bit SP1, SP2, R2 SP1, R2 SP2 Windows 2003 64-Bit SP1, SP2, R2 SP1, R2 SP2 Windows 2003 64-Bit Itanium SP1, SP2	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)
Windows 2008 32-Bit Windows 2008 64-Bit Windows Server 2008 Hyper-V	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)

Source: 3PAR 5/15/09

Table 2-9. 3PAR InServ E-Class, F-Class, S-Class, and T-Class Storage Servers with InForm 2.2.4 Operating System Interoperability with QLogic Fibre Channel Switches Matrix

Operating System	QLogic Switch
AIX 5.1, 5.2, 5.3, 6.1 HP-UX 11i v1, v2, v3 Oracle Enterprise Linux 4, 5 Red Hat 3, 4, 5 Solaris 8, 9, 10 SUSE SLES 9, 10 Tru64 5.1b VMware ESX 3.0, 3.01, 3.02, 3.5 Windows 2008 32-Bit	SB520*x* SB 560*x* SB580*x*V SB9000

Source: 3PAR 5/15/09

Table 2-10. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Adapter
HP-UX 11i v1, v2, v3	HP A6826A (QLA2342-UX-HP-BK) HP A9782A (ISP2312 (ASIC only)) HP A9784A (ISP2312 (ASIC only)) HP AB378A (ISP2422 (ASIC only)) HP AB378B (ISP2422 (ASIC only)) HP AB379A (QLA2462-HP-SP) HP AB379B (QLA2462-HP-SP)
Red Hat 3.0 AS, ES	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
Red Hat Enterprise Linux 4, 5	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256x
Solaris 8, 9 SPARC	QLA2300F, QLA2302F, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2464 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)

Table 2-10. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapter
Solaris 10 SPARC	QLA2300F, QLA2302F, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464, QLE256*x* Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
Solaris 10 x86	QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLE2400, QLE2460, QLE2462, QLE2464, QLE256*x* Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
SUSE SLES 9 SP2, SP3	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
SUSE SLES 10 SP1, SP2	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256*x*
VMware ESX 2.5.1, 2.5.2, 2.5.3, 2.5.4, 3.0, 3.0.x, 3.5, 3.i	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
Windows 2000 SP4 Windows 2003 32-Bit SP1, SP2, R2 SP1, R2 SP2 Windows 2003 x64 SP1, SP2, R2 SP1, R2 SP2 Windows 2003 64-Bit Itanium SP1, SP2	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464
Windows 2008 32-Bit Windows 2008 64-Bit Windows Server 2008 Hyper-V	QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2350, QLA2352, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256*x*

Source: 3PAR 5/15/09

Table 2-11. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix

Operating System	QLogic Adapters for Blade Servers
AIX	IBM QLogic 4Gb SFF Fibre Channel Expansion Card (IBM 26R0890) (QMC2462S)
Red Hat Enterprise Linux 4, 5 Red Hat 3.0 AS, ES	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)
Solaris 10 x86	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers Dell CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472)

Table 2-11. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapters for Blade Servers
SUSE SLES 9 SP2, SP3 SUSE SLES 10 SP1, SP2	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)
VMware 3.*x*	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (IBM 26R0884) (QMC2462) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)

Table 2-11. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapters for Blade Servers
Windows 2000 SP4 Windows 2003 32-Bit SP1, SP2, R2 SP1, R2 SP2 Windows 2003 x64 SP1, SP2, R2 SP1, R2 SP2 Windows 2003 64-Bit Itanium SP1, SP2	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) IBM QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)
Windows 2008 32-Bit Windows 2008 64-Bit Windows Server 2008 Hyper-V	Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462) Dell Dual-Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only)) IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462)

Source: 3PAR 5/15/09

Table 2-12. 3PAR InServ E-Class, S-Class with InForm 2.2.3 Operating System Interoperability with QLogic Fibre Channel Switches Matrix

Operating System	QLogic Switch
AIX 5.1, 5.2, 5.3, 6.1	QLogic 520*x*
HP-UX 11i v1, v2, v3	QLogic 560*x*
Oracle Enterprise Linux 4, 5	QLogic 580*x*V
Red Hat 3, 4, 5	QLogic 9000
Solaris 8, 9, 10	
SUSE SLES 9, 10	
Tru64 5.1b	
VMware ESX 3.0, 3.01, 3.02, 3.5	
Windows 2000	
Windows 2003	
Windows 2008	

Source: 3PAR 5/15/09

AC&NC

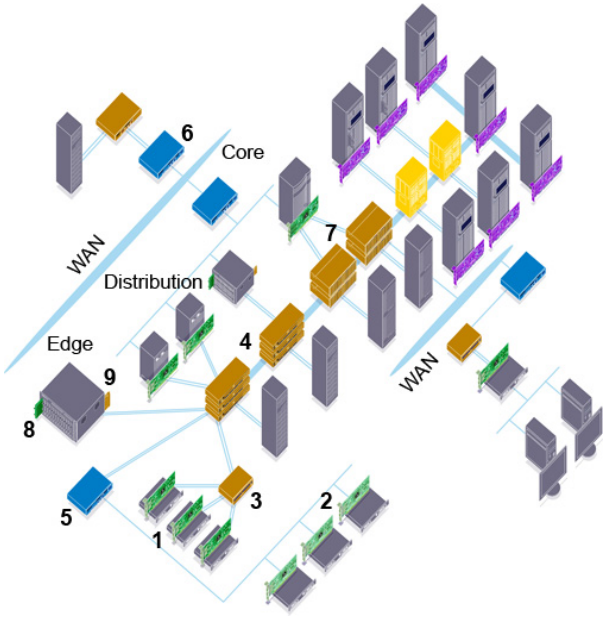
www.acnc.com

AC&NC and the QLogic Platform

Advanced Computer & Network Corporation (AC&NC®) products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-13. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/products_landingpage.aspx.

Table 2-13. AC&NC and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



AC&NC and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from AC&NC.

- Table 2-14. AC&NC Product Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-15. AC&NC Product Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-16. AC&NC Product Interoperability with QLogic iSCSI Adapters Matrix

Table 2-14. AC&NC Product Interoperability with QLogic Fibre Channel Adapters Matrix

AC&NC Product	Operating System	Fibre Channel Dual Path	QLogic Adapter
JetStor SAS 516F JetStor SAS 616F JetStor SATA 642F	Fedora 8 Red Hat Linux 5.0 Windows 2003 Server R2	Yes	QLogic QLE256*x* QMI2572 Dell Dual Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)

Table 2-14. AC&NC Product Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

AC&NC Product	Operating System	Fibre Channel Dual Path	QLogic Adapter
JetStor III RAID Fibre Channel 8-bay and 16-bay JetStor III RAID IDE Fibre Channel 8-bay, 14-bay, and 16-bay parallel and serial ATA JetStor 416FC4 PPC JetStor SATA 416FC4 JetStor SATA 516F Primestar RAID Fibre Channel	Windows NT 4.0	Yes	QLA2310 QLA2310F QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462
	Windows 2000 AS	Yes	QLA2310 QLA2310F QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462
	Solaris 7, 8, 9, 2.6	No	QLA2310 QLA2310F QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462
JetStor III RAID Fibre Channel 8-bay and 16-bay JetStor III RAID IDE Fibre Channel 8-bay, 14-bay, and 16-bay parallel and serial ATA JetStor 416FC4 PPC JetStor SATA 416FC4 JetStor SATA 516F Primestar RAID Fibre Channel	Red Hat Linux 6.2, 7.1, 7.2, 8.0	No	QLA2310 QLA2310F QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462

Source: AC&NC 4/27/09

Table 2-15. AC&NC Product Interoperability with QLogic Fibre Channel Switches Matrix

AC&C Product	Operating System	QLogic Switch
JetStor SAS 616F JetStor SATA 516F JetStor SATA 616F	FreeBSD Linux Mac OS X Solaris VMware ESX Server Windows 2000 and MSCS Windows NT Windows Server 2003	SB560*x*
JetStor SAS 616F JetStor SATA 516F	Linux Mac OS X Solaris VMware Windows	SB900*x*

Source: AC&NC 3/31/08

Storage Area [SAN] Solution, AC&C, See http://www.acnc.com/03_03_01.html.

Table 2-16. AC&NC Product Interoperability with QLogic iSCSI Adapters Matrix

AC&C Product	QLogic Adapter	Operating System
JetStor SATA 416iS	QLA401*x*	Red Hat Linux Solaris SUSE Linux VMware Windows
	QLA405*x*	Fedora Core 6 Red Hat Enterprise Linux AS Solaris 10 Windows 2003
	QLA4050C QLA4052C QLE4060C QLE4062C	Linux Solaris VMware Windows
	Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)	Linux VMware Windows

Source: AC&NC 12/13/06, 8/02/07; QLogic 7/8/08, 7/21/08

AdventNet

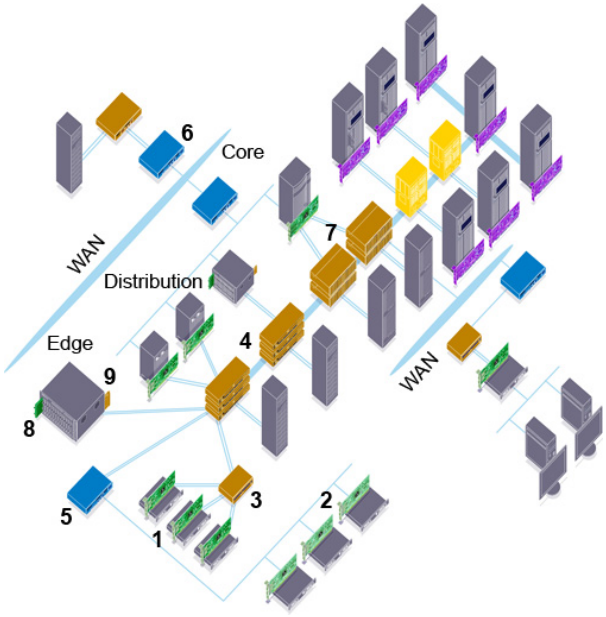
www.adventnet.com

AdventNet and the QLogic Platform

AdventNet Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-17. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/products_landingpage.aspx.

Table 2-17. AdventNet and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



AdventNet and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from AdventNet.

Table 2-18. AdventNet Product Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

AdventNet Product	Operating System	QLogic Adapter	QLogic Switch
ManageEngine OpStor 5, Adapter Agent	Linux	QLA23*xx* QLA24*xx*	SB1400 SB520*x* SB560*x*
	Windows	QLA23*xx* QLA24*xx*	SB1400 SB520*x* SB560*x*
Adapter Agent	AIX	QLA23*xx* QLA24***xx***	
	HP-UX	QLA23*xx* QLA24*xx*	
	Solaris	QLA23*xx* QLA24*xx*	

Source: AdventNet, Inc. 6/8/06

Apple

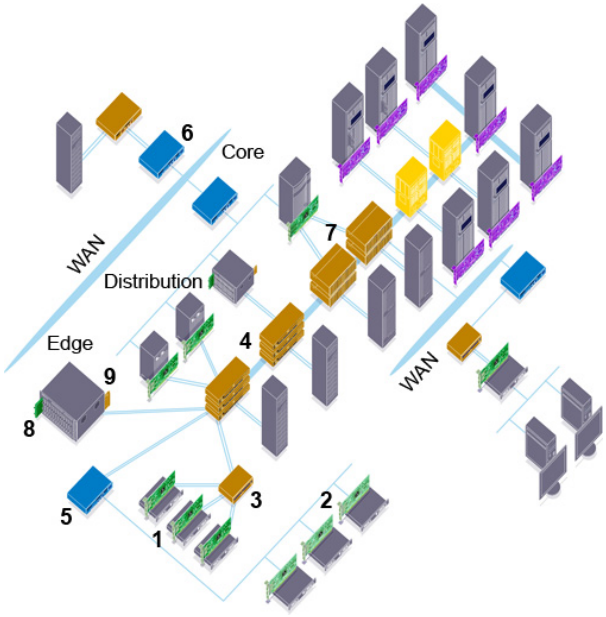
www.apple.com

Apple and the QLogic Platform

Apple® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-19. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-19. Apple and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Apple and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Apple.

Table 2-20. Apple Xsan Interoperability with QLogic Fibre Channel Switches Matrix

Operating System	QLogic Switch
Mac OS X Mac OS X Server	SB140*x* SB3810 SB520*x* SB560*x* SB580*x*V SB9*x*0*x*

Source: Apple 3/8/10

http://www.apple.com/xsan/specs.html

Atempo

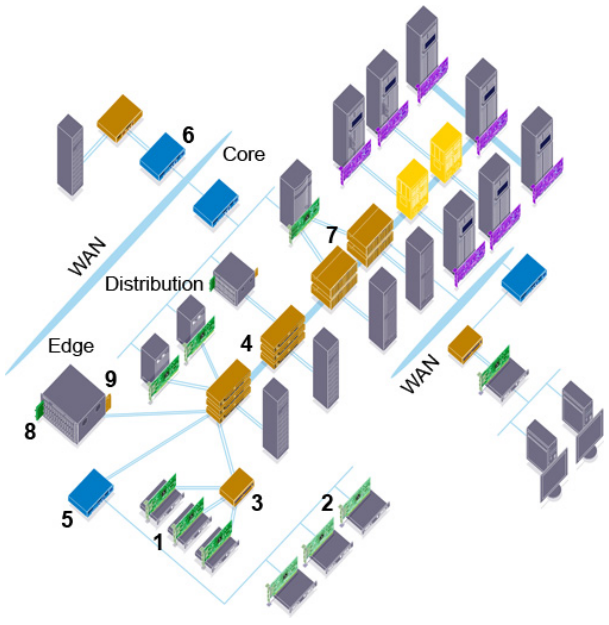
www.atempo.com

Atempo and the QLogic Platform

Atempo® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-21. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-21. Atempo and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Atempo and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Atempo.

Table 2-22. Atempo Time Navigator Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	Operating System
QLA231*x* QLA234*x*	Linux Solaris Windows 2000
HP A6826A (QLA2342-UX-HP-BK)	HP-UX (IA-64) Linux IA64
HP A9782A (ISP2312 (ASIC only)) HP A9784A (ISP2312 (ASIC only))	HP-UX (IA-64)
HP FCA2214 FC (QLA2340-WLX-HP-SP)	Linux x86

Source: Atempo 3/31/10

Atempo Hardware Compatibility Guide, February 5, 2010

ATTO Technology

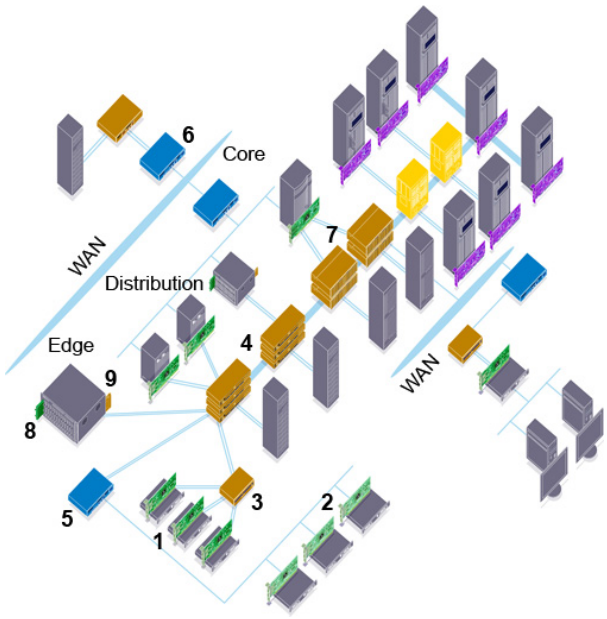
www.attotechnology.com

ATTO Technology and the QLogic Platform

ATTO Technology products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-23. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-23. ATTO Technology and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



ATTO Technology and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from ATTO Technology.

- Table 2-24. ATTO Technology RAID Controller Interoperability with QLogic Fibre Channel Adapters and Switches Matrix
- Table 2-25. ATTO Technology Fibre Channel Adapter Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-26. ATTO Technology Bridge Interoperability with QLogic iSCSI and Fibre Channel Adapters and Switches Matrix

Table 2-24. ATTO Technology RAID Controller Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

ATTO Controller	QLogic Adapter	QLogic Switch
FastStream SC 5500 FastStream SC 5700 FastStream SC 7500 FastStream SC 7700	QLE2362 QLE2462	SB5602

Source: ATTO Technology 3/31/10
http://www.attotechnology.com/support/interoperability/interopco.php?id=85&co=QLogic

Table 2-25. ATTO Technology Fibre Channel Adapter Interoperability with QLogic Fibre Channel Switches Matrix

ATTO Adapter	QLogic Switch
Celerity FC-41XS Celerity FC-42XS	SB520*x*
Celerity FC-41ES Celerity FC-42ES Celerity FC-44ES	SB520*x* SB560*x* SB9*x*00
Celerity FC-81EN Celerity FC-82EN Celerity FC-84EN	SB5802V

Source: ATTO Technology 3/31/10
http://www.attotechnology.com/support/interoperability/interopco.php?id=85&co=QLogic

Table 2-26. ATTO Technology Bridge Interoperability with QLogic iSCSI and Fibre Channel Adapters and Switches Matrix

ATTO Bridge	QLogic Adapter	QLogic Switch
iPBridge 1550D iPBridge 2600R/D iPBridge 2700R/D	QLA4010	N/A
FibreBridge 2370E FibreBridge 2390R/D FibreBridge 2400R/D	QLE2362 QLE2462	SB5602

Source: ATTO Technology 3/31/10

http://www.attotechnology.com/support/interoperability/interopco.php?id=85&co=QLogic

Brocade

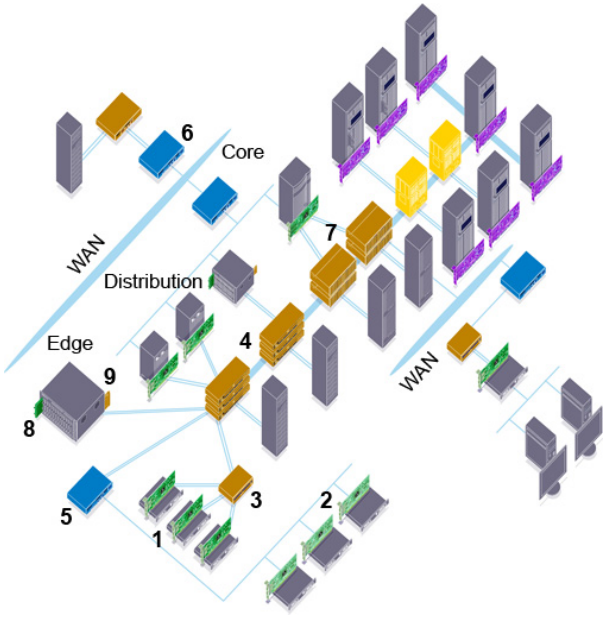
www.brocade.com

Brocade and the QLogic Platform

Brocade® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-27. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-27. Brocade and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Brocade and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Brocade.

- Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-29. Brocade Switch Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-30. Brocade Data Migration Manager (DMM) Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-31. Brocade Adapter Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-32. Brocade Product Interoperability with QLogic Fibre Channel and iSCSI Adapters and Routers Matrix
- Table 2-33. Brocade Switch Interoperability with QLogic Fibre Channel Switches Matrix—FC-SW-2 Compliant
- Table 2-34. Brocade Switch Interoperability with QLogic Fibre Channel Switches Matrix—Brocade Native Fabric
- Table 2-35. Brocade M-Series Product Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-36. Brocade M-Series Product OPENready Storage Solutions Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-37. Brocade M-Series Product OPENready Storage Virtualization Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-38. Brocade M-Series Product OPENready Security Appliances Interoperability with QLogic Fibre Channel Adapters Matrix

Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Adapter	Operating System	Brocade Switch
HP	QLogic-based Fibre Channel mezzanine adapter, 403619-B21 (QMH2462-HP-BK)	VMware ESX Server 3.01	200E, 4012/16, 4018/20, 4024
	QLogic-based Fibre Channel mezzanine adapter, 451871-B21 (QMH2562-HP-BK)	Red Hat Linux EL 4.6 2.6.9-67.ELsmp Red Hat Linux EL 5.2 2.6.18-92.el5 SUSE Linux ES 9.0 2.6.5-7.308-smp SUSE Linux ES 10 SP2 2.6.16.60-0.21 2.6.16.60-0.21-smp Windows 2003 SP2 R2 9.1.7.29 Windows 2008 (IA64) 9.1.7.29 2.07 Windows 2008 (x64) 9.1.7.29 2.07	200E, 4100, 4900, 5000, 7500, 7600 48000/FR4-18i/FC4-16IP DCX/DCX-4S, 300, 5100, 5300 7800, 8000
	BLx0P Balcony (QLA2312)	Windows 2000 AS Windows 2003 EE SUSE Linux ES 8, 9 HP-UX 11.23 Solaris 9, 10 Red Hat Linux AS 3.0 U3, 3 U5, AS 3 U8, AS 4 U1 NetWare 6.0, 6.5 SP2, 6.5 SP5	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)

Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Adapter	Operating System	Brocade Switch
QLogic	QLA2300 QLA2300F	Windows 2000 AS SP1, SP3 Windows 2003 EE Windows NT 4.0 EE Solaris 8, 10 Red Hat Linux 7.2	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)
	QLA2310 QLA2310F	IRIX 6.5 IP35 Red Hat Linux 4 U4 Red Hat Linux 7.2, 7.3, 8.0, 9.0 Red Hat Linux AS 2.1, 4.0 U3 Solaris 7, 8, 9, 10 Windows NT 4.0 EE Windows 2000 AS Windows 2003 EE	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)
	QLA2312	Windows 2003 SP2, SP2 (IA32), SP2 R2, SP2 R2 (x64) Red Hat Linux AS 4.0 Red Hat Linux EL 5.2 Solaris 9, 10 SUSE 8 SP4 (32) SUSE 9 SP3 (32) SUSE Linux ES 10 SP2	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)

Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Adapter	Operating System	Brocade Switch
QLogic (*Continued*)	QLA2340 QLA2340L QLA2342 QLA2342L	Windows 2000 AS Windows 2003 SP2, SP2 (x64), SP2 (IA32), SP4, EE (x64) Windows 2008 SP1, SP1 (IA32), SP4 (x64) Windows NT 4.0 EE Red Hat Linux 7.2, 7.3, 8.0, 9.0 Red Hat Linux AS: 2.1; 3.0 U3, U4 (x64), U7; 4.0 U3, U5, U6, U7; 5.0 U1 Red Hat Linux EL: 4.0 U4; 5.0 U2, 5.2 Red Hat Linux ES 3.0 U5, U7, U8; 4.0 U3; 5.0; 10 SP2 SUSE Linux ES: 9.0 SP3, SP4; 10 SP2 NetWare 6.0, 6.5 Solaris 7, 8, 9, 10 VMware ESX Server	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)

Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Adapter	Operating System	Brocade Switch
QLogic (*Continued*)	QLA2440 QLA2460 QLA2462 QLE2440 QLE2460 QLE2462	Windows 2000 AS Windows 2003 EE, SP2, SP2 (x64), SP2 R2, SP2 R2 (x64), EE (x64), EE SP4 Windows 2008 SP1, SP2, SP1 (IA32), SP1 (x64), SP2 (x64), SP2 (IA64) SUSE Linux ES: 9, 9 SP3, 9 SP3 (IA64), 9 SP3 (x32), 10, 10 SP2 (x32), 10 SP2 (IA64) Red Hat Linux 5.0 Red Hat Linux ES: 5.0, 10 SP2 Red Hat Linux AS: 3.0 U7; 4.0; 4.0 U5, 4.0 U3 (x64), 4.0 U4 (x64), 4.0 U6, 5.0 U2, 5.0 U7 Red Hat Linux EL: 3.0 U8 (x32), 4, 4.0 (x32), 4.0 (x64), 4.0 U3, 4.6, 5.0 U2, 5.2, Solaris: 9.0, 10, 10 (x86), 10.0 U2, 10.0 U3, 10.0 U4, 10.0 U5 VMware ESX U1 VMware ESX Server: 3.01, 3.5, 3.5 U1 (x64)	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)
	QLE2360	Windows 2003 SP2	200E, 4012/16, 4018/20, 4024, 4100, 4900, 5000, 7500, 7500E, 48000, 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)

Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Adapter	Operating System	Brocade Switch
QLogic (*Continued*)	QLE2464	Red Hat Linux AS 4.0 Windows 2003 EE SP1	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800
	QLE2562	Windows 2003 SP2 (IA64) Windows 2008 SP2 Red Hat Linux 5 UP2 Red Hat EL 4.6 SUSE Linux 10, 10 SP2 Solaris 10	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)
	QLE2560	Windows 2008 SP1, SP1 (IA32) Windows 2003 SP2 (IA32) Red Hat Linux 5 UP2 (x64) Solaris 10	200E, 4012/16, 4018/20, 4024 4100, 4900, 5000, 7500, 7500E, 48000 7600 DCX/DCX-4S Backbone 5100, 8000, VA-40FC 300, 5300, 7800 FC4-16IP (iSCSI)
Sun Microsystems	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK)	Solaris 8, 9, 10, 10 (x86)	4012, 4016, 4018, 4020, 4024 200E, 4100, 4900, 5000, 7500, 7600 48000/FR4-18i/FC4-16IP 7800, 8000
	SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 10	
	SG-XPCI2FC-QF4 (QLA2462-SUN-XO)	Solaris 9, 10	4012, 4016, 4018, 4020, 4024 200E, 4100, 4900, 5000, 7500, 7600 48000/FR4-18i/FC4-16IP 7800, 8000

Table 2-28. Brocade Switch Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Adapter	Operating System	Brocade Switch
Sun Microsystems (*Continued*)	X6767A (QLA2300F)	Solaris 9, 10	4012, 4016, 4018, 4020, 4024 200E, 4100, 4900, 5000, 7500 48000
	X6768A (QLA2312)	Solaris 9, 10	4012, 4016, 4018, 4020, 4024 200E, 4100, 4900, 5000, 7500, 7600 48000/FR4-18i/FC4-16IP DCX/DCX-4S, 300, 5100, 5300 7800, 8000

Table Notes
Brocade DCX and DCX-4S represent the Brocade DCX/DCX-4S backbone with one or more 8Gb 16-port, 32-port, or 48-port blades (FR8-16, FR8-32, FR8-48).

Source: Brocade 12/18/09

Brocade Data Center Ready Compatibility Matrix, December 18, 2009

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-29. Brocade Switch Interoperability with QLogic iSCSI Adapters Matrix

QLogic Adapter	Operating System	Brocade Switch
QLA4010	Windows 2003 EE R2	FC4-16IP (iSCSI)
QLA4010C	Windows 2000 AS Red Hat Linux ES 3 SUSE Linux ES 8 Solaris 9, 10	FC4-16IP (iSCSI)
QLA4052C	Red Hat EL 4 U3 (x32) Windows 2003 EE SP1 R2 (x32)	FC4-16IP (iSCSI)

Source: Brocade 12/18/09

Brocade Data Center Ready Compatibility Matrix, December 18, 2009

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-30. Brocade Data Migration Manager (DMM) Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Adapter
HP	QLogic-based Fibre Channel mezzanine adapter for BL460c/BL465c/BL480c (403619-B21) (QMH2462-HP-BK)
QLogic	QLA2300 QLA2310 QLA2312 QLA2342 QLA2462 QLE2462

Source: Brocade 3/11/09

Brocade Data Migration Manager Compatibility Matrix, January 19, 2009

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-31. Brocade Adapter Interoperability with QLogic Fibre Channel Switches Matrix

Brocade Adapter	QLogic Switch
Brocade 415 Fibre Channel Adapter	SB520*x*
Brocade 425 Fibre Channel Adapter	SB560*x*
Brocade 815 Fibre Channel Adapter	SB580*x*V
Brocade 825 Fibre Channel Adapter	SB9000

Source: Brocade 3/11/09

Brocade Host Bus Adapter Compatibility Matrix, January 9, 2009

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-32. Brocade Product Interoperability with QLogic Fibre Channel and iSCSI Adapters and Routers Matrix

Brocade Product	Operating System	QLogic Adapter	QLogic Router
Brocade 200E Brocade 240E	Windows 2003 SP1 Windows XP Professional	QLA234*x*	iSR6142
SilkWorm 3800 Switch SilkWorm 4100 Switch	Windows 2003 SP1	QLA4052C	iSR6140
	Red Hat Linux 4 SUSE Linux ES (SLES) 9 Windows 2003 SP1 Windows XP Professional	QLA405*x*	iSR6142

Source: Brocade Communications Systems, Inc. 10/26/06; QLogic Corporation 10/11/06, 2/14/07, 3/14/07

Brocade: *Brocade Fabric Aware Compatibility Matrix*, October 6, 2006

Table 2-33. Brocade Switch Interoperability with QLogic Fibre Channel Switches Matrix—FC-SW-2 Compliant

QLogic Switch	Brocade Switch
SB1400 SB520*x* SB560*x*	SilkWorm 200E SilkWorm 3200 SilkWorm 3250 SilkWorm 3800 SilkWorm 3850 SilkWorm 3900 SilkWorm 4100 SilkWorm 12000 SilkWorm 24000 SilkWorm 48000
SB9000	SilkWorm 200E SilkWorm 3200 SilkWorm 3250 SilkWorm 3800 SilkWorm 3900 SilkWorm 4100

Source: QLogic Corporation 9/28/06

QLogic Switch Interoperability Guide, Version 7.0. September 2006

Table 2-34. Brocade Switch Interoperability with QLogic Fibre Channel Switches Matrix—Brocade Native Fabric

QLogic Switch	Brocade Switch
SB1400 SB520*x* SB560*x*	SilkWorm 200E SilkWorm 3200 SilkWorm 3250 SilkWorm 3800 SilkWorm 3850 SilkWorm 3900 SilkWorm 4100 SilkWorm 12000 SilkWorm 24000 SilkWorm 48000
SB9000	SilkWorm 200E SilkWorm 3200 SilkWorm 3250 SilkWorm 3800 SilkWorm 3900 SilkWorm 4100

Source: QLogic Corporation 9/28/06

Table 2-35. Brocade M-Series Product Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Adapter	Operating System	Brocade Product
HP	QLogic-based Fibre Channel mezzanine adapter for BL20p G2 (HP 300874-B21) QLogic-based Fibre Channel mezzanine adapter for BL20p G3/BL20p G4 (HP 361426-B21)	Red Hat Linux 4 SUSE SLES 10 NetWare 6.5	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLogic-based Fibre Channel mezzanine adapter for BL25p/BL45p (HP 381881-B21)	Red Hat Linux 4 SUSE SLES 9 SP2 Windows 2000 SP4 Windows 2003: SP1, SP1 (x64)	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLogic-based Fibre Channel mezzanine adapter for BL30p	Red Hat Linux 3 SUSE SLES 9 SP2	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLogic-based Fibre Channel mezzanine adapter for BL35p	Red Hat Linux 3, 4 SUSE SLES 10 Windows 2000 SP4 Windows 2003 SP1	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLogic-based Fibre Channel mezzanine adapter for BL460c/BL465c/BL480c (HP 403619-B21) (QMH2462)	AIX 5.3 TL6 SP2 Windows 2003: R2 EE (x32), (x64), (x64) SP2	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
QLogic	QLA2312	Windows 2003 SP2	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLA2340	NetWare 6.5 SP5 Red Hat Linux 3, 4 Red Hat Linux AS 4, 5 Solaris 10 SLES 9, 10 Windows 2003 EE Windows 2003 SP1	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLA2342	Red Hat Linux 4 Red Hat Enterprise Linux 5 Solaris 9, 10 VMware ESX Server 3.01 Windows 2000, SP4 Windows 2003, SP1	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K

Table 2-35. Brocade M-Series Product Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	QLogic Adapter	Operating System	Brocade Product
QLogic (*Continued*)	QLA2460	Red Hat Linux 4 SLES 9 Windows 2003 EE	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLA2462	Windows 2000 Windows 2003, SP1, SP3, SP4 Windows 2003 EE, SP2 Windows 2008 SP2 (X64)	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLE2560 QLE2562	Red Hat Linux 5.0 (x64) U2	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLE2460	Red Hat Linux 4 Solaris 10 SLES 9	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLE2462	Red Hat Linux AS 4 (x64) Solaris 10 VMware ESX Server 3.01, 3.5 Windows 2003, SP4 Windows 2003 (IA32) SP1 Windows 2003 (x64), SP1	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
	QLE2360	Windows 2003 EE SP2	McDATA 3232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K
Sun Microsystems	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 9, 10	McDATA 3a232, M4400, M4500, M4700, McDATA 6064, M6140, Mi10K

Source: Brocade 3/11/09

Brocade Data Center Ready Compatibility Matrix, January 29, 2009

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-36. Brocade M-Series Product OPENready Storage Solutions Interoperability with QLogic Fibre Channel Adapters Matrix

Disk Storage	Operating System	QLogic Adapter	Brocade Switch
3PAR InServ Storage Servers S200, S400, S800	Red Hat Linux 7.2 Windows NT Windows 2000	QLogic	Sphereon 3*xxx* Intrepid 6064/6140
NEC® Storage S1300, S1400, S1500/S2500, S2400/S2800/S2900	Windows 2003 SP1	QLA2310F	Intrepid 6064/6140 Sphereon 3*xxx*, 4*xxx*
Pillar Data Systems™ Axiom Series 500	Red Hat AS/ES 3	QLA2340 QLA2340L QLA2342 QLA2342L QLA2344	Intrepid 6064/6140 Sphereon 3*xxx*, 4*xxx*
	Solaris SPARC 8, 9,10	QLA2310F QLA2310FL QLA2340 QLA2340L QLA2342 QLA2342L QLA2344	Intrepid 6064/6140 Sphereon 3*xxx*, 4*xxx*
	Windows 2000 SP4 Windows 2003 SP1	QLA2310F QLA2310FL QLA2340 QLA2340L QLA2342 QLA2342L QLA2344	Intrepid 6064/6140 Sphereon 3*xxx*, 4*xxx*
Texas Memory Systems® RamSan-320 RamSan-325	Windows 2000 SP4	QLA2342	Sphereon 4500
Xiotech® Magnitude 3D 3000 Magnitude Classic	Netware 6.3 SP3 Windows 2000 SP4 Windows 2003 SP1	QLA2310	Eclipse 1620/2640 Intrepid 6064/6140 Sphereon 3*xxx*, 4*xxx*

Source: Brocade 3/11/09

Brocade M-Series Products OPENready Compatibility Matrices, Version 1.02. May 4, 2007.

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-37. Brocade M-Series Product OPENready Storage Virtualization Interoperability with QLogic Fibre Channel Adapters Matrix

Product	Operating System	QLogic Adapter	Brocade Switch	Storage
DataCore® SANsymphony 5.0, 5.1	Windows 2000 SP3	QLA23*xx*	Intrepid 6064/6140 Sphereon 4500/3*xxx*	IBM 2105-F20 EMC® Symmetrix HDS 9960

Source: Brocade 3/11/09

Brocade M-Series Products OPENready Compatibility Matrices, Version 1.02. May 4, 2007.

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

Table 2-38. Brocade M-Series Product OPENready Security Appliances Interoperability with QLogic Fibre Channel Adapters Matrix

Product	Operating System	QLogic Adapter	Brocade Switch
Decru DataFort FC520 Security Appliance	Linux 2.4.21 Solaris 8	QLA2300	Sphereon 4500
NeoScale CryptoStor FC	Windows 2003	QLA2300F	Intrepid 6064/6140 Sphereon 4500/3*xxx*

Source: Brocade 3/11/09

Brocade M-Series Products OPENready Compatibility Matrices, Version 1.02. May 4, 2007.

See http://www.brocade.com/products-solutions/technology-architecture/compatibility/index.page.

BakBone

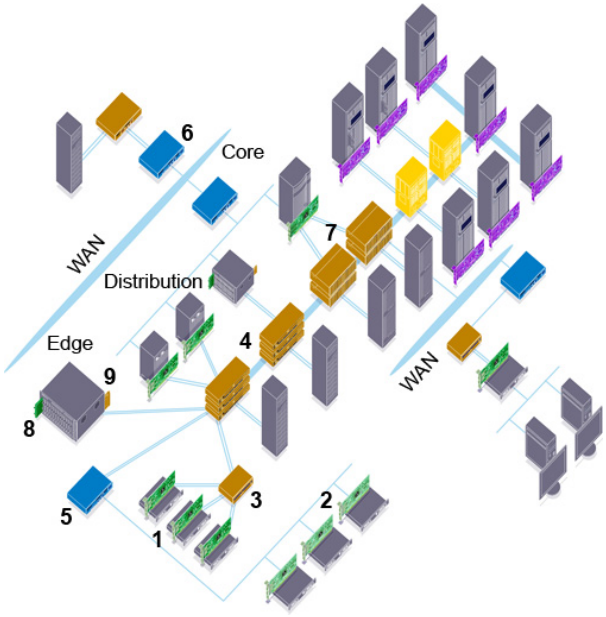
www.bakbone.com

BakBone and the QLogic Platform

BakBone products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-39. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-39. BakBone and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



BakBone and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from BakBone.

- Table 2-40. BakBone NetVault Backup Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix
- Table 2-41. BakBone NetVault Backup Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-40. BakBone NetVault Backup Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix

NetVault Backup	Operating System	QLogic Fibre Channel Adapter	QLogic iSCSI Adapter
NetVault Backup 8.0 8, 8.2, 8.5	RHEL 4, 5 Windows 2000 Windows 2003 R2 Windows 2008 R2	QL*x*23*xx* QL*x*24*xx* QLE256*x*	QLA405*x* QLA406*x*
	Solaris 9, 10	QL*x*23*xx* QL*x*24*xx*	

Source: BakBone 2/23/10

Table 2-41. BakBone NetVault Backup Interoperability with QLogic Fibre Channel Switches Matrix

Product	Operating System	QLogic Switch
NetVault Backup 8.0 8, 8.2, 8.5	AIX 5.3, 6.1 HP-UX (IA64) 11.23, 11.31 Mac OS X 10.5,10.6 RHEL 4, 5 SLES 9, 10 Solaris 9, 10 Windows 2000 Windows 2003 R2 Windows 2008 R2	SB520*x* SB560*x* SB580*x*V SB9*x*0*x*

Source: BakBone 2/23/10

CA

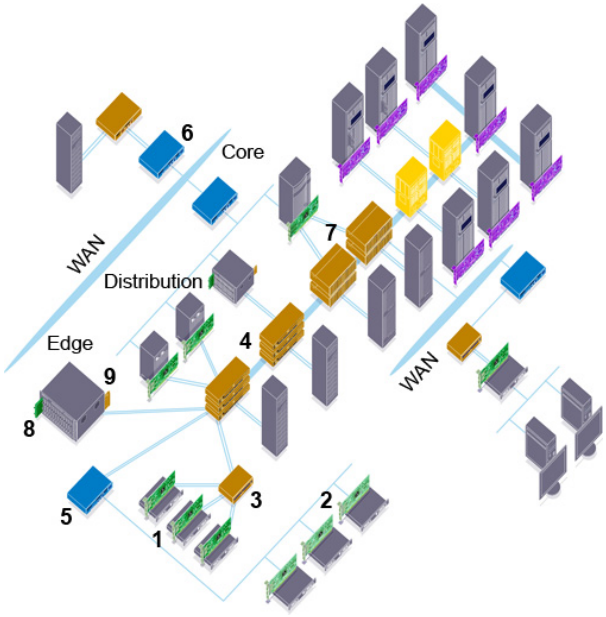
www.ca.com

CA and the QLogic Platform

CA products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-42. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-42. CA and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



CA and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from CA.

- Table 2-43. CA Product Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-44. CA BrightStor ARCserve Backup v7 for NetWare SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-45. CA BrightStor ARCserve Backup v7 for NetWare SAN Option Interoperability with QLogic Switches Matrix
- Table 2-46. CA BrightStor ARCserve Backup v7 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-47. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-48. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Interoperability with QLogic Switches Matrix
- Table 2-49. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-50. CA BrightStor ARCserve Backup v9 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-51. CA BrightStor ARCserve Backup v9 for Windows SAN Option Interoperability with QLogic Switches Matrix
- Table 2-52. CA BrightStor ARCserve Backup v9 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-53. CA BrightStor ARCserve Backup v9 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-54. CA BrightStor ARCserve Backup v9 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-55. CA BrightStor ARCserve Backup r11 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-56. CA BrightStor ARCserve Backup r11 for Windows SAN Option Interoperability with QLogic Switches Matrix
- Table 2-57. CA BrightStor ARCserve Backup r11 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-58. CA BrightStor ARCserve Backup r11 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

- Table 2-59. CA BrightStor ARCserve Backup r11 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-60. CA BrightStor ARCserve Backup r11.1 for HP-UX SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-61. CA BrightStor ARCserve Backup r11.1 for HP-UX SAN Option Interoperability with QLogic Switches Matrix
- Table 2-62. CA BrightStor ARCserve Backup r11.1 for HP-UX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-63. CA BrightStor ARCserve Backup r11.1 for IBM-AIX SAN Option Interoperability with QLogic Switches Matrix
- Table 2-64. CA BrightStor ARCserve Backup r11.1 for IBM-AIX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-65. CA BrightStor ARCserve Backup r11.1 for Linux SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-66. CA BrightStor ARCserve Backup r11.1 for Linux SAN Option Interoperability with QLogic Switches Matrix
- Table 2-67. CA BrightStor ARCserve Backup r11.1 for Linux SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-68. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-69. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Interoperability with QLogic Switches Matrix
- Table 2-70. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-71. CA BrightStor ARCserve Backup r11.1 for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-72. CA BrightStor ARCserve Backup r11.1 for Solaris SAN Option Interoperability with QLogic Switches Matrix
- Table 2-73. CA BrightStor ARCserve Backup r11.1 for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-74. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-75. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Interoperability with QLogic Switches Matrix
- Table 2-76. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

- Table 2-77. CA BrightStor ARCserve Backup r11.1 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-78. CA BrightStor ARCserve Backup r11.1 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-79. CA BrightStor ARCserve Backup r11.5 for HP-UX SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-80. CA BrightStor ARCserve Backup r11.5 for HP-UX SAN Option Interoperability with QLogic Switches Matrix
- Table 2-81. CA BrightStor ARCserve Backup r11.5 for HP-UX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-82. CA BrightStor ARCserve Backup r11.5 for IBM-AIX SAN Option Interoperability with QLogic Switches Matrix
- Table 2-83. CA BrightStor ARCserve Backup r11.5 for IBM-AIX SAN Option Storage Interoperability with Adapters and Switches Matrix
- Table 2-84. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-85. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Interoperability with QLogic Switches Matrix
- Table 2-86. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-87. CA BrightStor ARCserve Backup r11.5 for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-88. CA BrightStor ARCserve Backup r11.5 for Solaris SAN Option Interoperability with QLogic Switches Matrix
- Table 2-89. CA BrightStor ARCserve Backup r11.5 for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-90. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-91. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Interoperability with QLogic Switches Matrix
- Table 2-92. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-93. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
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- Table 2-96. CA BrightStor ARCserve Backup r11.5 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-97. CA BrightStor ARCserve Backup r11.5 for Windows Serverless Option Data Mover Interoperability with QLogic Matrix
- Table 2-98. CA BrightStor ARCserve Backup r12 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
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- Table 2-100. CA BrightStor ARCserve Backup r12 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-101. CA BrightStor ARCserve Backup r12 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-102. CA BrightStor ARCserve Backup r12 for Windows Serverless Option Data Mover Interoperability with QLogic Matrix
- Table 2-103. CA BrightStor ARCserve 2000 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
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- Table 2-108. CA BrightStor Enterprise Backup for HP-UX SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
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- Table 2-112. CA BrightStor Enterprise Backup for IBM-AIX SAN Option with IBM Interoperability with Fibre Channel Adapters and Switches Matrix

- Table 2-113. CA BrightStor Enterprise Backup for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-114. CA BrightStor Enterprise Backup for Solaris SAN Option Interoperability with QLogic Switches Matrix
- Table 2-115. CA BrightStor Enterprise Backup for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-116. CA BrightStor Enterprise Backup for Tru64 SAN Option Interoperability with QLogic Switches Matrix
- Table 2-117. CA BrightStor Enterprise Backup for Tru64 SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix
- Table 2-118. CA BrightStor Enterprise Backup for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix
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- Table 2-121. CA Brightstor Enterprise Backup for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix
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- Table 2-123. CA BrightStor SAN Designer r11.1 for Windows Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-124. CA BrightStor SAN Designer r11.1 for Windows Interoperability with QLogic Switches Matrix
- Table 2-125. CA BrightStor SAN Designer r11.5 for Windows Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-126. CA BrightStor SAN Designer r11.5 for Windows Interoperability with QLogic Switches Matrix
- Table 2-127. CA BrightStor SAN Manager Interoperability with QLogic Fibre Channel Adapter Matrix
- Table 2-128. CA BrightStor SAN Manager Interoperability with QLogic Switches Matrix
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- Table 2-130. CA BrightStor SAN Manager r11.5 Interoperability with QLogic Switches Matrix

Table 2-43. CA Product Interoperability with QLogic iSCSI Adapters Matrix

QLogic Adapter	Operating System	CA Product
QLA4010	Windows	CA ARCserve Backup r11.5 CA ARCserve Backup r12
QLA4010C	Windows	CA ARCserve 2000 CA ARCserve Backup v9 CA ARCserve Backup r11 CA ARCserve Backup r11.1 CA ARCserve Backup r11.5 CA ARCserve Backup r12 BrightStor Enterprise Backup
QLA4050C QLA4052C QLE4060C	Windows	CA ARCserve Backup r11.1 CA ARCserve Backup r11.5 CA ARCserve Backup r12
Table Notes BrightStor ARCserve Backup has been renamed CA ARCserve Backup		

Source: CA International, Inc. 1/14/08

BrightStor Enterprise Backup for Windows Certified Device List, January 25, 2006

CA ARCserve 2000 Workgroup and Advanced Edition v7.0 Certified Device List, May 04, 2004

CA ARCserve Backup v9 for Windows Certified Device List, January 25, 2006

CA ARCserve Backup Release 11 for Windows Certified Device List, January 25, 2006

CA ARCserve Backup Release 11.1 for Windows Certified Device List, December 20, 2007

CA ARCserve Backup r11.5 for Windows Certified Device List, December 20, 2007

CA ARCserve Backup r12 for Windows Certified Device List, April 08, 2009

Table 2-44. CA BrightStor ARCserve Backup v7 for NetWare SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QLA2300 QLA2310 QLA2340 QLA2342

Source: CA International, Inc. 11/18/05

ARCserve v7 for NetWare Certified Device List, April 19, 2005

Table 2-45. CA BrightStor ARCserve Backup v7 for NetWare SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: CA International, Inc. 11/18/05

ARCserve v7 for NetWare Certified Device List, April 19, 2005

Table 2-46. CA BrightStor ARCserve Backup v7 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Scalar 24	QLogic QLA2300	QLogic 2	Fibre Channel Native Device
Dell	PV132T	QLogic QLA2300	QLogic 2-64	Fibre Channel Native Device
		QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
HP	MSL 5052	QLogic QLA2310	McDATA/INRANGE FC 9000	Fibre Channel Native Device
	Tape Libraries 2/20, 4/40, 6/60, 8/80, 10/100	QLogic QLA2300	Brocade SilkWorm 2400	Fibre Channel Native Device
Quantum®	DX30	QLogic QLA2300	QLogic 5200	Fibre Channel Native Device
	M2500	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Dell PV-132T-FC
	P4000	QLogic QLA2300	Brocade SilkWorm 2400	Quantum ATL FC230 (Internal)
	P7000	QLogic QLA2200	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2300	Brocade SilkWorm 2400	Quantum ATL FC230 (Internal)
Spectra Logic®	2000	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
Sun™ StorageTek	L700	Emulex LP9802	5200	Fibre Channel Native Device

Source: CA International, Inc. 11/18/05

ARCserve v7 for NetWare Certified Device List, April 19, 2005

Table 2-47. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QLA2300 QLA2302F QLA2310 QLA2302F QLA2340 QLA2342

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup v9 for NetWare Certified Device List, January 25, 2006

Table 2-48. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup v9 for NetWare Certified Device List, January 25, 2006

Table 2-49. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Scalar 24	QLogic QLA2300	QLogic 2	Fibre Channel Native Device
Dell	PV132T	QLogic QLA2300	QLogic 2-64	Fibre Channel Native Device
		QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
HP	ESL712e	QLogic QLA2300	Brocade SilkWorm 3200	Fiber Channel Native Device
	MSL 5052	QLogic QLA2310	McDATA/INRANGE FC 9000	Fiber Channel Native Device
	Tape Libraries 2/20, 4/40,6/60, 8/80, 10/100	QLogic QLA2300	Brocade SilkWorm 2400	Fiber Channel Native Device

Table 2-49. CA BrightStor ARCserve Backup v9 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Quantum	DX30	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	M2500	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
	P4000	QLogic QLA2300	Brocade SilkWorm 2400	Quantum ATL FC230 (Internal)
	P7000	QLogic QLA2200	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2300	Brocade SilkWorm 2400	Quantum ATL FC230 (Internal)
	PX720	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
Spectra Logic	2000	QLogic QLA2300	Brocade SilkWorm 3200	Fiber Channel Native Device
	T950 Python	QLogic QLA2302F	QLogic 2-64	Fiber Channel Native Device
Sun StorageTek	SL500	QLogic QLA2340	QLogic 5200	Fiber Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup v9 for NetWare Certified Device List, January 25, 2006

Table 2-50. CA BrightStor ARCserve Backup v9 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2257p (QLA2310F-CPQ-SP)
QLogic	QLogic QLA2300 QLogic QLA2302F QLogic QLA2310 QLogic QLA2310F QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup v9 for Windows Certified Device List, January 25, 2006

Table 2-51. CA BrightStor ARCserve Backup v9 for Windows SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup v9 for Windows Certified Device List, January 25, 2006

Table 2-52. CA BrightStor ARCserve Backup v9 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	Emulex LP9802	QLogic 5200	Fibre Channel Native Device
	Scalar 1000	HP FCA2214 FC (QLA2340-WLX-HP-SP)	QLogic 2-64	Crossroads 6000 Storage Router Dell PV-136T-SNC2 Pathlight/SNC 6101
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800l	Fibre Channel Native Library
		QLogic QLA2340 QLogic QLA2342	Dell PowerVault 51F	Crossroads 4250 Router
Alacritus	Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300 Model FB2300L
	PV132T	LSI Logic™ LSI-7102XP	QLogic 5200	Dell PV-132T-FC
		QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
Exabyte	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180
HP	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	2-64 2Gb	Overland® Data NEO via Fibre Channel Option
	MSL6060/6030	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
	MSL60xx	QLogic QLA2340	QLogic 5200	Fibre Channel Native Device
IBM	3584 L32	QLogic QLA2344	QLogic 5602	Fibre Channel Native Device

Table 2-52. CA BrightStor ARCserve Backup v9 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar®	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router
Quantum	M2500	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420
	PX720	QLogic QLA2300	QLogic 5200	Fibre Channel Native Device
	P7000	Emulex LP1050	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2300	QLogic 2-8	HP/Compaq SWModular Router Crossroads 10,000
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Fibre Channel Native Device
Sun Storag-eTek	StorageTek L Series 9840B Drives 2Gb	QLA2302F	QLogic 2-64	Fibre Channel Native Device
	StorageTek L700	QLogic QLA2310F	Brocade SilkWorm 3900	STK 3250

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup v9 for Windows Certified Device List, January 25, 2006

Table 2-53. CA BrightStor ARCserve Backup v9 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP)

Table 2-53. CA BrightStor ARCserve Backup v9 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Fibre Channel Adapter
QLogic	QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup v9 for Windows Certified Device List, January 25, 2006

Table 2-54. CA BrightStor ARCserve Backup v9 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
ADIC	ADIC SNC 5101	QLA2302F
	ADIC SNC 6101	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Crossroads	Crossroads 6000 Storage Router	HP FCA2214 FC (QLA2340-WLX-HP-SP)
	Crossroads 10000 Storage Router	QLA2344
Dell	Dell PV-136T-SNC2	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge	QLA2300 QLA2310
	Overland Data NEO via Fibre Channel Option	
Quantum	Quantum FC420	QLA2340 QLA2342
Spectra Logic	Spectra Logic 2000	QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup v9 for Windows Certified Device List, January 25, 2006

Table 2-55. CA BrightStor ARCserve Backup r11 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2257p (QLA2310F-CPQ-SP)

Table 2-55. CA BrightStor ARCserve Backup r11 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
QLogic	QLA2300 QLA2302F QLA2310 QLA2310F QLA2312 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup Release 11 for Windows Certified Device List, January 25, 2006

Table 2-56. CA BrightStor ARCserve Backup r11 for Windows SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup Release 11 for Windows Certified Device List, January 25, 2006

Table 2-57. CA BrightStor ARCserve Backup r11 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	Emulex LP9802	QLogic 5200	Fibre Channel Native Device
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800	Fibre Channel Native Library
		QLogic QLA2340 QLogic QLA2342	Dell PowerVault 51F	Crossroads 4250 Router Fibre Channel Native Library
Alacritus	Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300 Model FB2300L
	PV132T	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device

Table 2-57. CA BrightStor ARCserve Backup r11 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Exabyte	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180
FalconStor®	IPStor VTL	QLogic QLA2310	Fibre Channel Native Device	Fibre Channel Native Device
HP	ESL712e	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	QLogic 2	Overland Data via Fibre Channel Option
	MSL6030 MSL6060	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
IBM	3484 L22	QLogic QLA2344	QLogic 5200	Fibre Channel Native Device
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router
Quantum	M2500	QLogic QLA2300	QLogic 2-64	Quantum FC420
		QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420
	P7000	Emulex LP1050	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2300	QLogic 2-8	HP/Compaq SWModular Router Crossroads 10,000
	PX720	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
			QLogic 5200	Fibre Channel Native Device
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Fibre Channel Native Device
	T120 Python	Emulex LP9002	QLogic 5200	Fibre Channel Native Device
	T950 Python	QLogic QLA2340 QLogic QLA2342	Cisco MDS 9216i	Fibre Channel Native Device

Table 2-57. CA BrightStor ARCserve Backup r11 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Sun Storag-eTek	L Series 9840B Drives 2GB	QLogic QLA2302F	QLogic 2	Fibre Channel Native Device
	L700	QLogic QLA2310F	Brocade 3900	STK 3250
	SL500	QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup Release 11 for Windows Certified Device List, January 25, 2006

Table 2-58. CA BrightStor ARCserve Backup r11 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP)
QLogic	QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup Release 11 for Windows Certified Device List, January 25, 2006

Table 2-59. CA BrightStor ARCserve Backup r11 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
ADIC	ADIC SNC 5101	QLA2302F
	ADIC SNC 6101	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Crossroads	Crossroads 6000 Storage Router	HP FCA2214 FC (QLA2340-WLX-HP-SP)
	Crossroads 10000 Storage Router	QLA2344
Dell	Dell PV-136T-SNC2	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge	QLA2300 QLA2310
	Overland Data NEO via Fibre Channel Option	

Table 2-59. CA BrightStor ARCserve Backup r11 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
Quantum	Quantum FC420	QLA2340 QLA2342
Spectra Logic	Spectra Logic 2000	QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup Release 11 for Windows Certified Device List, January 25, 2006

Table 2-60. CA BrightStor ARCserve Backup r11.1 for HP-UX SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QLogic QLA2302F

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for HPUX Certified Device List, May 2, 2006

Table 2-61. CA BrightStor ARCserve Backup r11.1 for HP-UX SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for HPUX Certified Device List, May 2, 2006

Table 2-62. CA BrightStor ARCserve Backup r11.1 for HP-UX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
HP	MSL5026	Emulex LP9000	QLogic 5200	Fibre Channel Native Device
IBM	3584 L32	Emulex LP9002L	QLogic 5200	Fibre Channel Native Device
Sun StorageTek	SL500	Emulex LP9002	QLogic 5600	Fibre Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for HPUX Certified Device List, May 2, 2006

Table 2-63. CA BrightStor ARCserve Backup r11.1 for IBM-AIX SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/05

BrightStor ARCserve Backup Release 11.1 for IBM-AIX Certified Device List, May 2, 2006

Table 2-64. CA BrightStor ARCserve Backup r11.1 for IBM-AIX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
IBM	3584 L22	Emulex LP9000	QLogic 5200	Fibre Channel Native Device
	3584 L32	Emulex LP9000	QLogic 5602	Fibre Channel Native Device
Spectra Logic	L700	LSI Logic LSI-7102XP	QLogic 5200	Fibre Channel Native Device

Source: CA International, Inc. 5/5/05

BrightStor ARCserve Backup Release 11.1 for IBM-AIX Certified Device List, May 2, 2006

Table 2-65. CA BrightStor ARCserve Backup r11.1 for Linux SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Fibre Channel Adapter
HP	HP FCA2214DC FC (QLA2342-WLX-HP-SP)
QLogic	QLA2300 QLA2342 QLA2462

Source: CA International, Inc. 10/3/06

BrightStor ARCserve Backup Release 11.1 for Linux Certified Device List, September 26, 2006

Table 2-66. CA BrightStor ARCserve Backup r11.1 for Linux SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x 9000

Source: CA International, Inc. 10/3/06

BrightStor ARCserve Backup Release 11.1 for Linux Certified Device List, September 26, 2006

Table 2-67. CA BrightStor ARCserve Backup r11.1 for Linux SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	QLogic QLA2300	Brocade SilkWorm 2300	Fibre Channel Native Device
		QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
	Scalar 1000	QLogic QLA2300	Dell PV51 F	Crossroads 4250
	Scalar i500	QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
	Scalar i2000	Emulex WDP10000001	QLogic 5600	Fibre Channel Native Device
Exabyte	221L-FC	QLogic QLA2200	QLogic 5600	Fibre Channel Native Device
	Magnum20	QLogic QLA2342	Brocade SilkWorm 3200	Fibre Channel Native Device
Fujitsu Siemens	NML9A (LT160)	QLogic QLA2300	QLogic 2-8	Fibre Channel Native Device
IBM	3584	QLogic 2200	QLogic 5200	Fibre Channel Native Device
HP	ESL E-Series 630e	HP FCA2214DC FC (QLA2342-WLX-HP-SP)	HP SANworks SAN Switch 2	HP NSR E2400-160
	ESL9xxx	Emulex LP1000	QLogic 5200	Fibre Channel Native Device
Quantum	P7000	Emulex LP10000	QLogic 5200	Quantum FC470
Sun StorageTek	L180	QLogic QLA2300	StorageTek Switch 4108/4116	Fibre Channel Native Device
	L700	QLogic QLA2300	StorageTek Switch 4116	Fibre Channel Native Device
	SL500	QLogic QLA2300	QLogic 5200	Crossroads 4250

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for Linux Certified Device List, May 2, 2006

Table 2-68. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLE2562 QLE2564

Source: CA, Inc. 5/5/06

Table 2-69. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for NetWare Certified Device List, April 29, 2006

Table 2-70. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	QLogic Adapter	Hub/Switch	Bridge
ADIC	Scalar 24	QLogic QLA2300	QLogic 2	Fibre Channel Native Device
Dell	PV132T	QLogic QLA2300	QLogic 2-64	Fibre Channel Native Device
		QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
HP	ESL712e	QLogic QLA2300	Brocade SilkWorm 3200	Fiber Channel Native Device
	MSL 5052	QLogic QLA2310	McDATA/INRANGE FC 9000	Fiber Channel Native Device
	MSL 6030	Emulex LP8000	QLogic 5200	Fiber Channel Native Device
	Tape Libraries 2/20, 4/40, 6/60, 8/80, 10/100	QLogic QLA2300	Brocade SilkWorm 2400	Fiber Channel Native Device
IBM	3584-L32	Emulex LightPulse 1050	QLogic 5602	Fiber Channel Native Device

Table 2-70. CA BrightStor ARCserve Backup r11.1 for NetWare SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	QLogic Adapter	Hub/Switch	Bridge
Quantum	DX30	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	M2500	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
	P4000	QLogic QLA2300	Brocade SilkWorm 2400	Quantum ATL FC230 (Internal)
	P7000	QLogic QLA2200	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2300	Brocade SilkWorm 2400	Quantum ATL FC230 (Internal)
	PX510	QLogic QLA2340	QLogic 5200	Quantum FC1202
	PX720	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
Spectra Logic	2000	QLogic QLA2300	Brocade SilkWorm 3200	Fiber Channel Native Device
	T950 Python	QLogic QLA2302F	QLogic 2-64	Fiber Channel Native Device
Sun StorageTek	SL500	QLogic QLA2340	QLogic 5200	Fiber Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for NetWare Certified Device List, April 29, 2006

Table 2-71. CA BrightStor ARCserve Backup r11.1 for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2257p (QLA2310F-CPQ-SP)
QLogic	QLA2300 QLA2302F QLA2312 QLA2340 QLA2342 QLA2344
Sun Microsystem®	SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for SUN Solaris Certified Device List, May 2, 2006

Table 2-72. CA BrightStor ARCserve Backup r11.1 for Solaris SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for SUN Solaris Certified Device List, May 2, 2006

Table 2-73. CA BrightStor ARCserve Backup r11.1 for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Scalar i2000	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
		QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Exabyte	221L-FC	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Fujitsu Siemens	NML9A (LT160)	QLogic QLA2300	QLogic 2-16	Fibre Channel Native Device
HP	EML E-Series	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
	MSL6060	LSI Logic LSI7202XP-LC	QLogic 5200	HP NSR E1200-160
	MSL60xx	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
IBM	3584 L22	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Quantum	M2500	QLogic QLA2344	QLogic 2-64	Quantum FC420
	SuperLoader	QLogic QLA2340 QLogic QLA2342	QLogic 2	Crossroads 10000 Storage Router
	P4000 P7000	QLogic QLA2344	Brocade SilkWorm 3200	FC470
	PX 720	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Sun Microsystems	Vlibrary	QLogic QLA2342	Brocade 3900	Fibre Channel Native Device
Sun StorageTek	SL500	Emulex LP9002L	QLogic 5600	Fibre Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup Release 11.1 for SUN Solaris Certified Device List, May 2, 2006

Table 2-74. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2214DC FC (QLA2342-WLX-HP-SP) HP FCA2257p (QLA2310F-CPQ-SP)
IBM	IBM QLogic 2Gb Standard FC Expansion Card (13N2203) for HS20
QLogic	QLA2300 QLA2302F QLA2310 QLA2310F QLA2312 QLA2340 QLA2342 QLA2344 QLA2462 QLE2462 QLE2464

Source: CA International, Inc. 7/31/06

BrightStor ARCserve Backup Release 11.1 for Windows Certified Device List, July 25, 2006

Table 2-75. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
1400 520x 560x 9000

Source: CA International, Inc. 10/3/06

BrightStor ARCserve Backup Release 11.1 for Windows Certified Device List, September 19, 2006

Table 2-76. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	Emulex LP9802	QLogic 5200	Fibre Channel Native Device
	Scalar 1000	HP FCA2214 FC (QLA2340-WLX-HP-SP)	QLogic 2-64	Crossroads 6000 Storage Router Dell PV-136T-SNC2 Pathlight/SNC 6101
	Scalar i500	QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800	Fibre Channel Native Library
		QLogic QLA2340 QLogic QLA2342	Dell PowerVault 51F	Crossroads 4250 Route Fibre Channel Native Library
		QLogic QLA2462	QLogic 5602	Fibre Channel Native Device
Alacritus	Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300 Model FB2300L
	PV132T	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Exabyte	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180
FalconStor	IPStor VTL	QLogic QLA2310	Fibre Channel Native Device	Fibre Channel Native Device
HP	EML E-Series	QLogic QLA2340	Brocade SilkWorm 3850	Fibre Channel Native Device
	ESL712e	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	QLogic 2	Overland Data via Fibre Channel Option
	MSL6030	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
		QLogic QLA2340	QLogic 5200	Fibre Channel Native Device
	MSL6060	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160

Table 2-76. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
IBM	3582 Tape Library	IBM eServer BladeCenter Fibre Channel Expansion Card (13N2203)	QLogic 5200	Fibre Channel Native Device
	3484 L22	QLogic QLA2302F QLogic QLA2344	QLogic 5200	Fibre Channel Native Device
	3584 L32	QLogic QLA2302F	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2344	QLogic 5602	Fibre Channel Native Device
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router
Quantum	DX-100	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	M2500	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420
	P7000	Emulex LP1050	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2300	QLogic 2-8	Crossroads 10,000 HP/Compaq SWModular Router
	PX510	LSI Logic FC7002	QLogic 5200	Quantum FC1202
	PX720	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
			QLogic 5200	Fibre Channel Native Device
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Fibre Channel Native Device
	T120 Python	Emulex LP9002	QLogic 5200	Fibre Channel Native Device
	T950 Python	Emulex LP101	QLogic 5200	Fibre Channel Native Device

Table 2-76. CA BrightStor ARCserve Backup r11.1 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
Sun Storag-eTek	L Series 9840B Drives 2GB	QLogic QLA2302F	QLogic 2	Fibre Channel Native Device
	L40	QLogic QLA2340	Brocade SilkWorm 4100	Crossroads 10000
	L700	QLogic QLA2310F	Brocade 3900	STK 3250
	SL500	QLogic QLA2340	Brocade SilkWorm 4100	Crossroads 10000
		QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device

Source: CA International, Inc. 5/10/06

*BrightStor ARCserve Backup Release 11.1 for Windows Certified Device Lis*t, May 2, 2006

Table 2-77. CA BrightStor ARCserve Backup r11.1 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP)
QLogic	QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup r11.1 for Windows Certified Device List, May 2, 2006

Table 2-78. CA BrightStor ARCserve Backup r11.1 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
ADIC	ADIC SNC 5101	QLA2302F
	ADIC SNC 6101	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Crossroads	Crossroads 6000 Storage Router	HP FCA2214 FC (QLA2340-WLX-HP-SP)
	Crossroads 10000 Storage Router	QLA2344

Table 2-78. CA BrightStor ARCserve Backup r11.1 for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	Data Mover	QLogic Fibre Channel Adapter
Dell	Dell PV-136T-SNC2	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge Overland Data NEO via Fibre Channel Option	QLA2300 QLA2310
Quantum	Quantum FC420	QLA2340 QLA2342
Spectra Logic	Spectra Logic 2000	QLA2344

Source: CA International, Inc. 5/10/06

BrightStor ARCserve Backup r11.1 for Windows Certified Device List, May 2, 2006

Table 2-79. CA BrightStor ARCserve Backup r11.5 for HP-UX SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP A6826A (QLA2342-UX-HP-BK)
QLogic	QLA2302F QLA2462

Source: CA International, Inc. 11/16/06

BrightStor ARCserve Backup r11.5 for HPUX Certified Device List, November 15, 2006

Table 2-80. CA BrightStor ARCserve Backup r11.5 for HP-UX SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x 9000

Source: CA International, Inc. 11/16/06

BrightStor ARCserve Backup r11.5 for HPUX Certified Device List, November 15, 2006

Table 2-81. CA BrightStor ARCserve Backup r11.5 for HP-UX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
HP	MSL5026	Emulex LP9000	QLogic 5200	Fibre Channel Native Device
IBM	3584 L32	Emulex LP9002L	QLogic 5600	Fibre Channel Native Device
Sun Storag-eTek	EML E-Series	HP A6826A (QLA2342-UX-HP-BK)	HP StorageWorks 4/32	HP NSR e2400-FC
	SL500	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
		QLogic QLA2462	Cisco MDS 9140	Fibre Channel Native Device

Source: CA International, Inc. 11/16/06

BrightStor ARCserve Backup r11.5 for HPUX Certified Device List, November 15, 2006

Table 2-82. CA BrightStor ARCserve Backup r11.5 for IBM-AIX SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup r11.5 for IBM-AIX Certified Device List, April 26, 2006

Table 2-83. CA BrightStor ARCserve Backup r11.5 for IBM-AIX SAN Option Storage Interoperability with Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
IBM	3584 L22	Emulex LP9000 (Must use IBM's ATAPE driver to see library.)	QLogic 5200	Fibre Channel Native Device
	3584 L32	Emulex LP9000	QLogic 5602	Fibre Channel Native Device
Spectra Logic	L700	LSI Logic LSI-7102XP	QLogic 5200	Fibre Channel Native Device
Sun StorageTek	EML E-Series	Emulex LP7000E	QLogic 5200	Fibre Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup r11.5 for IBM-AIX Certified Device List, April 26, 2006

Table 2-84. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (QLA2342-WLX-HP-SP)
QLogic	QLA2300 QLA2342 QLA2462 QLE2462 QLE2464 QLE2562

Source: CA 4/27/09

Table 2-85. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x 580x 9000

Source: CA 4/27/09

Table 2-86. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	QLogic QLA2300	Brocade SilkWorm 2300	Fibre Channel Native Device
		QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
	Scalar 1000	QLogic QLA2300	Dell PV51 F	Crossroads 4250
	Scalar i500	QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
	Scalar i2000	Emulex WDP10000001	QLogic 5600	Fibre Channel Native Device
Exabyte	221L-FC	QLogic QLA2200	QLogic 5600	Fibre Channel Native Device
	Magnum20	QLogic QLA2342	Brocade SilkWorm 3200	Crossroads 4250
Fujitsu Siemens	LT270	QLogic QLA2200	QLogic 5200	Fibre Channel Native Device
	NML9A (LT160)	QLogic QLA2300	QLogic 2-8	Fibre Channel Native Device

Table 2-86. CA BrightStor ARCserve Backup r11.5 for Linux SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
HP	ESL E-Series 630e	HP FCA2214DC FC (QLA2342-WLX-HP-SP)	HP SAN Works SAN Switch 2	HP NSR E2400-160
	ESL9xxx	Emulex LP1000	QLogic 5200	Fibre Channel Native Device
Quantum	P7000	Emulex LP10000	QLogic 5200	Quantum FC470
Sun StorageTek	EML E-Series	HP A6826A (QLA2342-UX-HP-BK)	HP StorageWorks 4/32	HP NSR e2400-FC
	L180	QLogic QLA2300	StorageTek Switch 4108/4116	Fibre Channel Native Device
	L700	QLogic QLA2300	StorageTek Switch 4116	Fibre Channel Native Device
	SL500	QLogic QLA2300	QLogic 5200	Crossroads 4250

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup r11.5 for Linux Certified Device List, May 2, 2006

Table 2-87. CA BrightStor ARCserve Backup r11.5 for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
QLogic	QLA2300 QLA2302F QLA2312 QLA2340 QLA2342 QLA2344 QLA2462
Sun Microsystems	SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Source: CA International, Inc. 11/16/06

BrightStor ARCserve Backup r11.5 for SUN Solaris Certified Device List, November 15, 2006

Table 2-88. CA BrightStor ARCserve Backup r11.5 for Solaris SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x 9000

Source: CA International, Inc. 11/16/06

BrightStor ARCserve Backup Release 11.5 for SUN Solaris Certified Device List, November 15, 2006

Table 2-89. CA BrightStor ARCserve Backup r11.5 for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	i2000	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
		QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Exabyte	221L-FC	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Fujitsu Siemens	NML9A (LT160)	QLogic QLA2300	QLogic 2-16	Fibre Channel Native Device
HP	EML E-Series	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
	MSL6060	LSI Logic LSI7202XP-LC	QLogic 5200	HP NSR E1200-160
	MSL60xx	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
IBM	3584 L22	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Quantum	M2500	QLogic QLA2344	QLogic 2-64	Quantum FC420
	SuperLoader	QLogic QLA2340 QLogic QLA2342	QLogic 2	Crossroads 10000 Storage Router
	P4000, P7000	QLogic QLA2344	Brocade SilkWorm 3200	FC470
	PX720	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Sun StorageTek	SL500	Emulex LP9002L	QLogic 5600	Fibre Channel Native Device
		QLogic QLA2462	Cisco MDS 9140	Fibre Channel Native Device

Source: CA International, Inc. 11/16/06

BrightStor ARCserve Backup Release 11.5 for SUN Solaris Certified Device List, November 15, 2006

Table 2-90. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2257p (QLA2310F-CPQ-SP)
QLogic	QLA2300 QLA2302F QLA2312 QLA2340 QLA2342 QLA2344
Sun Microsystems	SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup r11.5 for TRU64 Certified Device List, April 26, 2006

Table 2-91. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup r11.5 for TRU64 Certified Device List, April 26, 2006

Table 2-92. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	i2000	Emulex LP9002	QLogic 560x	Fibre Channel Native Device
EMC	Clariion Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Exabyte	221L-FC	Emulex LP9002	QLogic 560x	Fibre Channel Native Device
Fujitsu Siemens	NML9A (LT160)	QLogic QLA2300	QLogic 2-16	Fibre Channel Native Device

Table 2-92. CA BrightStor ARCserve Backup r11.5 for Tru64 SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
HP	EML E-Series	Emulex LP9002	QLogic 560x	Fibre Channel Native Device
	MSL6060	LSI Logic LSI7202XP-LC	QLogic 520x	HP NSR E1200-160
	MSL60XX	Emulex LP9002	QLogic 560x	Fibre Channel Native Device
IBM	3584 L22	Emulex LP9002	QLogic 560x	Fibre Channel Native Device
Quantum	M2500	QLogic QLA2344	QLogic 2-64	Quantum FC420
	P4000, P7000	QLogic QLA2344	Brocade SilkWorm 3200	FC470
	PX 720	Emulex LP9002	QLogic 560x	Fibre Channel Native Device
	SuperLoader	QLogic QLA2340 QLogic QLA2342	QLogic 2	CrossRoads 10000 Storage Router
Sun Storag-eTek	SL500	Emulex LP9002L	QLogic 520x	Fibre Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor ARCserve Backup r11.5 for TRU64 Certified Device List, April 26, 2006

Table 2-93. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2214DC FC (QLA2342-WLX-HP-SP) HP FCA2257p (QLA2310F-CPQ-SP) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3
IBM	IBM eServer BladeCenter Fibre Channel Expansion Card for HS20 (13N2203)

Table 2-93. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
QLogic	QLA2300 QLA2302F QLA2310 QLA2310F QLA2312 QLA2340 QLA2342 QLA2344 QLA2462 QLE2462 QLE2464 QLE2562

Source: CA 4/12/07

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 10, 2007

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 9, 2009

Table 2-94. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switches 520x Switches 560x Switches 580x Switches iSR6140 Routers QLogic 9000 Switches

Source: CA 4/12/07

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 10, 2007

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 9, 2009

Table 2-95. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	ATTO FC-44ES	QLogic 5602	Fibre Channel Native Device
		Emulex LP9802	QLogic 5200	Fibre Channel Native Device
		QLogic QLE2360	QLogic 5602	Fibre Channel Native Device
	Scalar 1000	HP FCA2214 FC (QLA2340-WLX-HP-SP)	QLogic 2-64	Crossroads 6000 Storage Router Dell PV-136T-SNC2 Pathlight/SNC 6101
	Scalar i500	QLogic QLA200	QLogic 1400	Fibre Channel Native Device
		QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
		QLogic QLA2462	QLogic 5602	Fibre Channel Native Device
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800	Fibre Channel Native Library
		QLogic QLA2340 QLogic QLA2342	Dell PowerVault 51F	Fibre Channel Native Library
		QLogic QLA2462	Brocade SilkWorm 200E	Fibre Channel Native Device
		QLogic QLA2462	QLogic 5602	Fibre Channel Native Device
		QLogic QLE2462	QLogic 5602	Fibre Channel Native Device
Alacritus	Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300 Model FB2300L
	PV132T	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Exabyte	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180
FalconStor	IPStor VTL	QLogic QLA2310	Fibre Channel Native Device	Fibre Channel Native Device

Table 2-95. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
HP	EML E-Series	QLogic QLA2340	Brocade SilkWorm 3850	Fibre Channel Native Device
	ESL712e	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	QLogic 2	Overland Data via Fibre Channel Option
	MSL6030	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
		QLogic QLA2340	QLogic 5200	Fibre Channel Native Device
	MSL6060	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
IBM	3582 Tape Library	IBM eServer BladeCenter Fibre Channel Expansion Card (13N2203)	QLogic 5200	Fibre Channel Native Device
	3484 L22	QLogic QLA2302F QLogic QLA2344	QLogic 5200	Fibre Channel Native Device
	3584 L32	QLogic QLA2344	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2344	QLogic 5602	Fibre Channel Native Device
	TS7510	QLogic QLA2312	Brocade 3900	Fibre Channel Native Device
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router

Table 2-95. CA BrightStor ARCserve Backup r11.5 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Quantum	DX-100	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	M2500	QLogic QLA2300	QLogic 2-64	Quantum FC420
		QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420
	PX510	LSI Logic FC7002	QLogic 5200	Quantum FC1202
	PX720	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
			QLogic 5200	Fibre Channel Native Device
		QLogic QLA2340	QLogic 5602	Fibre Channel Native Device
	P7000	QLogic QLA2300	QLogic 2-8	Crossroads 10,000 HP/Compaq SWModular Router
		Emulex LP1050	QLogic 5200	Fibre Channel Native Device
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Fibre Channel Native Device
	T120 Python	Emulex LP9002	QLogic 5200	Fibre Channel Native Device
	T950 Python	Emulex LP101	QLogic 5200	Fibre Channel Native Device
Sun Storag-eTek	L Series, 9840 Drives	QLogic QLA2302F	QLogic 2	Fibre Channel Native Device
	L40	QLogic QLA2340	Brocade 4100	Crossroads 10000
	L700	QLogic QLA2310F	Brocade 3900	STK 3250
		QLogic QLA2340	Brocade SilkWorm 4100	Fibre Channel Native Device
	SL500	QLogic QLA2340	Brocade 4100	Crossroads 10000
		QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device

Source: CA 4/12/07

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 10, 2007

Table 2-96. CA BrightStor ARCserve Backup r11.5 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP)
QLogic	QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLA2344

Source: CA 4/12/07

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 10, 2007

Table 2-97. CA BrightStor ARCserve Backup r11.5 for Windows Serverless Option Data Mover Interoperability with QLogic Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
ADIC	ADIC SNC 5101	QLogic QLA2302F
	ADIC SNC 6101	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Crossroads	Crossroads 6000 Storage Router	HP FCA2214 FC (QLA2340-WLX-HP-SP)
	Crossroads 10000 Storage Router	QLogic QLA2344
Dell	Dell PV-136T-SNC2	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge Overland Data NEO via Fibre Channel Option	QLogic QLA2300 QLogic QLA2310
Quantum	Quantum FC420	QLogic QLA2340 QLogic QLA2342
Spectra Logic	Spectra Logic 2000	QLogic QLA2344

Source: CA 4/12/07

BrightStor ARCserve Backup r11.5 for Windows Certified Device List, April 10, 2007

Table 2-98. CA BrightStor ARCserve Backup r12 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
Dell	Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2214DC FC (QLA2342-WLX-HP-SP) HP FCA2257p (QLA2310F-CPQ-SP) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3
IBM	IBM eServer BladeCenter Fibre Channel Expansion Card for HS20 (13N2203)
QLogic	QLA2300 QLA2302F QLA2310 QLA2310F QLA2312 QLA2340 QLA2342 QLA2344 QLA2462 QLE2462 QLE2464 QLE256x

Source: CA 4/23/08; QLogic 1/27/09

BrightStor ARCserve Backup r12 for Windows Certified Device List, April 08, 2008

Additional updates

Table 2-99. CA BrightStor ARCserve Backup r12 for Windows SAN Option Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switches 520x Switches 560x Switches 3810 Switches 580xV Switches iSR6140 Routers QLogic 9000 Switches 9008V Switches

Source: CA 4/23/08; QLogic 10/23/08

BrightStor ARCserve Backup r12 for Windows Certified Device List, April 08, 2008

Additional updates

Table 2-100. CA BrightStor ARCserve Backup r12 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300 Model FB2300L
	PV132T	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
FalconStor	IPStor VTL	QLogic QLA2310	Fibre Channel Native Device	Fibre Channel Native Device
HP	EML E-Series	QLogic QLA2340	Brocade SilkWorm 3850	Fibre Channel Native Device
	ESL712e	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	QLogic 2	Overland Data via Fibre Channel Option
	MSL6030	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
		QLogic QLA2340	QLogic 5200	Fibre Channel Native Device
	MSL6060	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
IBM	3484 L22	QLogic QLA2302F QLogic QLA2344	QLogic 5200	Fibre Channel Native Device
	3584 L32	QLogic QLA2344	QLogic 5200	Fibre Channel Native Device
		QLogic QLA2344	QLogic 5602	Fibre Channel Native Device
	3582 Tape Library	IBM eServer BladeCenter Fibre Channel Expansion Card (13N2203)	QLogic 5200	Fibre Channel Native Device
	TS7510	QLogic QLA2312	Brocade 3900	Fibre Channel Native Device
NetApp®	Alacritus Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router

Table 2-100. CA BrightStor ARCserve Backup r12 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Quantum	DX-100	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
	M2500	QLogic QLA2300	QLogic 2-64	Quantum FC420
		QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420
	PX510	LSI Logic FC7002	QLogic 5200	Quantum FC1202
	PX720	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
			QLogic 5200	Fibre Channel Native Device
		QLogic QLA2340	QLogic 5602	Fibre Channel Native Device
	P7000	QLogic QLA2300	QLogic 2-8	Crossroads 10,000 HP/Compaq SWModular Router
		Emulex LP1050	QLogic 5200	Fibre Channel Native Device
	Pathlight VX	ATTO FC-44ES	QLogic 5602	Fibre Channel Native Device
		Emulex LP9802	QLogic 5200	Fibre Channel Native Device
		QLogic QLE2360	QLogic 5602	Fibre Channel Native Device
	Scalar 1000	HP FCA2214 FC (QLA2340-WLX-HP-SP)	QLogic 2-64	Crossroads 6000 Storage Router Dell PV-136T-SNC2 Pathlight/SNC 6101
	Scalar i500	QLogic QLA2300	QLogic 5602	Fibre Channel Native Device
		QLogic QLA2462	QLogic 5602	Fibre Channel Native Device
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800	Fibre Channel Native Library
		QLogic QLA2340 QLogic QLA2342	Dell PowerVault 51F	Fibre Channel Native Library CrossRoads 4250 Router
		QLogic QLA2462	Brocade SilkWorm 200E	Fibre Channel Native Device
		QLogic QLA2462	QLogic 5602	Fibre Channel Native Device
		QLogic QLE2462	QLogic 5602	Fibre Channel Native Device

Table 2-100. CA BrightStor ARCserve Backup r12 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Fibre Channel Native Device
	T120 Python	Emulex LP9002	QLogic 5200	Fibre Channel Native Device
	T950 Python	Emulex LP101	QLogic 5200	Fibre Channel Native Device
Sun Storag-eTek	L Series, 9840 Drives	QLogic QLA2302F	QLogic 2	Fibre Channel Native Device
	L40	QLogic QLA2340	Brocade 4100	Crossroads 10000
	L700	QLogic QLA2310F	Brocade 3900	STK 3250
		QLogic QLA2340	Brocade 4100	Fibre Channel Native Device
	SL500	QLogic QLA2340	Brocade 4100	Crossroads 10000
		QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
		QLogic QLA2462	McData Sphereon 4700	Fibre Channel Native Device
Tandberg Data®	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180

Source: CA 4/23/08

BrightStor ARCserve Backup r12 for Windows Certified Device List, April 08, 2008

Table 2-101. CA BrightStor ARCserve Backup r12 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP)
QLogic	QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLA2344

Source: CA 4/23/08

BrightStor ARCserve Backup r12 for Windows Certified Device List, April 08, 2008

Table 2-102. CA BrightStor ARCserve Backup r12 for Windows Serverless Option Data Mover Interoperability with QLogic Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
Crossroads	Crossroads 6000 Storage Router	HP FCA2214 FC (QLA2340-WLX-HP-SP)
	Crossroads 10000 Storage Router	QLogic QLA2344
Dell	Dell PV-136T-SNC2	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge Overland Data NEO via Fibre Channel Option	QLogic QLA2300 QLogic QLA2310
Quantum	ADIC SNC 5101	QLogic QLA2302F
	ADIC SNC 6101	HP FCA2214 FC (QLA2340-WLX-HP-SP)
	Quantum FC420	QLogic QLA2340 QLogic QLA2342
Spectra Logic	Spectra Logic 2000	QLogic QLA2344

Source: CA 4/23/08

BrightStor ARCserve Backup r12 for Windows Certified Device List, April 08, 2008

Table 2-103. CA BrightStor ARCserve 2000 for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2257p (QLA2310F-CPQ-SP)
QLogic	QLA2300 QLA2302F QLA2310 QLA2310F QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 11/28/05

ARCserve 2000 Workgroup and Advanced Edition V. 7.0 Certified Device List, May 4, 2004

Table 2-104. CA BrightStor ARCserve 2000 for Windows SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: CA International, Inc. 11/28/05

ARCserve 2000 Workgroup and Advanced Edition V. 7.0 Certified Device List, May 4, 2004

Table 2-105. CA BrightStor ARCserve 2000 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Scalar 1000	QLogic QLA2302F	QLogic 2-64	Crossroads 6000 Storage Router
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800	Fibre Channel Native Library
Alacritus	Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300 Model FB2300L
	PV132T	LSI Logic LSI-7102XP	QLogic 5200	Dell PV-132T-FC
		QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Dell PV-132T-FC
Exabyte	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180
HP	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	QLogic 2	Overland Data via Fibre Channel Option
	MSL6030 MSL6060	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router
Quantum	M2500	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420

Table 2-105. CA BrightStor ARCserve 2000 for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Sony	DMS-B80L (PetaSite)	QLogic QLA2300	QLogic 2-64	HP/Compaq MDR 2402
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA2342	Brocade SilkWorm 2400	Fibre Channel Native Device
Sun Storag-eTek	L Series 9840B Drives 2GB	QLogic QLA2302F	QLogic 2	Fibre Channel Native Device
	L700	QLogic QLA2310F	Brocade SilkWorm 3900	STK 3250

Source: CA International, Inc. 11/28/05

ARCserve 2000 Workgroup and Advanced Edition V. 7.0 Certified Device List, May 4, 2004

Table 2-106. CA BrightStor ARCserve 2000 for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QLA2300 QLA2310 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 11/28/05

ARCserve 2000 Workgroup and Advanced Edition V. 7.0 Certified Device List, May 4, 2004

Table 2-107. CA BrightStor ARCserve 2000 for Windows Serverless Option Data Mover Interoperability with Fibre Channel Adapters Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
Crossroads	Crossroads 6000 Storage Router	QLA2300
	Crossroads 10000 Storage Router	QLA2344

Table 2-107. CA BrightStor ARCserve 2000 for Windows Serverless Option Data Mover Interoperability with Fibre Channel Adapters Matrix (Continued)

Company	Data Mover	QLogic Fibre Channel Adapter
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge	QLA2300 QLA2310
	Overland Data NEO via Fibre Channel Option	
Quantum	Quantum FC420	QLA2340 QLA2342
Spectra Logic	Spectra Logic 2000	QLA2344

Source: CA International, Inc. 11/28/05

ARCserve 2000 Workgroup and Advanced Edition V. 7.0 Certified Device List, May 4, 2004

Table 2-108. CA BrightStor Enterprise Backup for HP-UX SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QLA2302F

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for HPUX Certified Device List, January 1, 2006

Table 2-109. CA BrightStor Enterprise Backup for HP-UX SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for HPUX Certified Device List, January 1, 2006

Table 2-110. CA BrightStor Enterprise Backup for HP-UX SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
IBM	3584 L32	Emulex LP9002L	QLogic 5602	Fibre Channel Native Device

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for HPUX Certified Device List, January 1, 2006

Table 2-111. CA BrightStor Enterprise Backup for IBM-AIX SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/5/06

BrightStor Enterprise Backup for IBM-AIX Certified Device List, February 14, 2006

Table 2-112. CA BrightStor Enterprise Backup for IBM-AIX SAN Option with IBM Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
Spectra Logic	L700	LSI Logic LSI-7102XP	QLogic 5200	Fibre Channel Native Device

Source: CA International, Inc. 5/5/06

BrightStor Enterprise Backup for IBM-AIX Certified Device List, February 14, 2006

Table 2-113. CA BrightStor Enterprise Backup for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Fibre Channel Adapter
QLogic	QLA2300 QLA2302F QLA2312 QLA2340 QLA2342 QLA2344

Table 2-113. CA BrightStor Enterprise Backup for Solaris SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Fibre Channel Adapter
Sun Microsystems	SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for SUN Solaris Certified Device List, January 25, 2006

Table 2-114. CA BrightStor Enterprise Backup for Solaris SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for SUN Solaris Certified Device List, January 25, 2006

Table 2-115. CA BrightStor Enterprise Backup for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Scalar i2000	QLogic QLA2300	Brocade SilkWorm 3200	Fibre Channel Native Device
EMC	Clariion Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Fujitsu Siemens	NML9A (LT160)	QLogic QLA2300	QLogic 2-16	Fibre Channel Native Device
HP	EML E-Series	QLogic QLA2342	Brocade SilkWorm 3800	Fibre Channel Native Device
	MSL6060	LSI Logic LSI7202XP-LC	QLogic 5200	HP NSR E1200-160
	MSL60XX	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
IBM	3584 L22	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
Quantum	M2500	QLogic QLA2344	QLogic 2-64	Quantum FC420
	PX 720	Emulex LP9002	QLogic 5600	Fibre Channel Native Device
	P4000 P7000	QLogic QLA2344	Brocade SilkWorm 3200	FC470
	SuperLoader	QLogic QLA2340 QLogic QLA2342	QLogic 2	Crossroads 10000 Storage Router

Table 2-115. CA BrightStor Enterprise Backup for Solaris SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Sun Storag-eTek	L80	QLogic QLA2342	QLogic 2-64	StorageTek SN3300
	L700	QLogic QLA2342	Brocade 4100	Fibre Channel Native Device
			Cisco MDS 9140	Fibre Channel Native Device
	SL500	Emulex LP9002L	QLogic 5200	Fibre Channel Native Device

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for SUN Solaris Certified Device List, January 25, 2006

Table 2-116. CA BrightStor Enterprise Backup for Tru64 SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for TRU64 Certified Device List, January 25, 2006

Table 2-117. CA BrightStor Enterprise Backup for Tru64 SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
HP	MSL 6026	Emulex LP700E	QLogic 5200	Fibre Channel Native Device
Spectra Logic	T950 Python	HP/Compaq KGPSA-CA	QLogic 5200	Fibre Channel Native Device

Source: CA International, Inc. 5/4/06

BrightStor Enterprise Backup for TRU64 Certified Device List, January 25, 2006

Table 2-118. CA BrightStor Enterprise Backup for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2257p (QLA2310F-CPQ-SP)

Table 2-118. CA BrightStor Enterprise Backup for Windows SAN Option Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Company	QLogic Fibre Channel Adapter
QLogic	QLA2300 QLA2302F QLA2310 QLA2312 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 5/10/06

BrightStor Enterprise Backup for Windows Certified Device List, January 25, 2006

Table 2-119. CA BrightStor Enterprise Backup for Windows SAN Option Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: CA International, Inc. 5/10/06

BrightStor Enterprise Backup for Windows Certified Device List, January 25, 2006

Table 2-120. CA BrightStor Enterprise Backup for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix

Company	Model	Adapter	Hub/Switch	Bridge
ADIC	Pathlight VX	Emulex LP9802	QLogic 5200	Fibre Channel Native Device
	Scalar 10K	QLogic QLA2302F	Brocade SilkWorm 3800	ADIC SNC 5100
	Scalar 1000	QLogic QLA2302F	QLogic 2-64	Dell PV-136T-SNC2 Pathlight/SNC 6101
	Scalar i2000	QLogic QLA2302F	Brocade SilkWorm 3800	Fibre Channel Native Library
Alacritus	Securitus I	QLogic QLA2302F	Dell PowerVault 56F	Fibre Channel Native Device
Dell	PV128T (LTO)	QLogic QLA2302F	Brocade SilkWorm 12000	ATTO FibreBridge 2300
	PV132T	QLogic QLA2340	Brocade SilkWorm 2400	Dell PV-132T-FC

Table 2-120. CA BrightStor Enterprise Backup for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
EMC	CLARiiON Disk Library DL300/DL700	QLogic QLA2312	EMC DS-24-m2	Fibre Channel Native Device
Exabyte	X80 M2 X200 M2	QLogic QLA2302F	Dell PowerVault 51F	ATTO FibreBridge 1180
HP	EML E-Series	QLogic QLA2340	Brocade SilkWorm 3850	Fibre Channel Native Device
	ESL9xxx	QLogic QLA2300	Brocade SilkWorm 2800	HP/Compaq MDR
	MSL5052	QLA2302F	QLogic 2	Overland Data via Fibre Channel Option
	MSL6030	QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
		QLogic QLA2340	QLogic 5200	Fibre Channel Native Device
	MSL6060	LSI Logic LSI7202xp	Cisco MDS 9216	Fibre Channel Native Device
		QLogic QLA2300	Brocade SilkWorm 2800	HP StorageWorks NSR E1200-160
IBM	3584 L32	QLogic QLA2344	QLogic 5602	Fibre Channel Native Device
	4560 SLX	QLogic QLA2200	QLogic 5200	ADIC SNC 5100
Overland	NEO Series (LXN2000, LXN4000)	QLA2302F	QLogic 2	Crossroads 10000 Storage Router Overland Data NEO via Fibre Channel Option
		QLA2310	Brocade SilkWorm 3200	Overland Data NEO via Fibre Channel Option
Qualstar	RLS-4221	QLogic QLA2340 QLogic QLA2342	McDATA Director 6064	Crossroads 10000 Storage Router
Quantum	M2500	QLogic QLA2300	QLogic 2-64	Quantum FC420
		QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Quantum FC420
			McDATA/INRANGE FC 9000	Quantum FC420
	PX720	QLogic QLA2300	QLogic 5200	Fibre Channel Native Device
	P7000	Emulex LP1050	QLogic 5200	Fibre Channel Native Device
Sony	DMS-B80L (PetaSite)	QLogic QLA2300	QLogic 2-64	HP/Compaq MDR 2402

Table 2-120. CA BrightStor Enterprise Backup for Windows SAN Option Storage Interoperability with Fibre Channel Adapters and Switches Matrix (Continued)

Company	Model	Adapter	Hub/Switch	Bridge
Spectra Logic	2000	QLogic QLA2340 QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device
	12000/64000	QLogic QLA2340 QLogic QLA234	Brocade SilkWorm 2400	Fibre Channel Native Device
	T20 Python	Emulex LP101	QLogic 5200	Fibre Channel Native Device
Sun Storag-eTek	L Series 9840B Drives 2GB	QLogic QLA2302F	QLogic 2	Fibre Channel Native Device
	L40	QLogic QLA2340	Brocade SilkWorm 4100	Crossroads 10000
	L700	QLogic QLA2310F	Brocade 3900	STK 3250
	SL500	QLogic QLA2340	Brocade SilkWorm 4100	Crossroads 10000
		QLogic QLA2342	QLogic 2-64	Fibre Channel Native Device

Source: CA International, Inc. 5/10/06

BrightStor Enterprise Backup for Windows Certified Device List, January 25, 2006

Table 2-121. CA Brightstor Enterprise Backup for Windows Serverless Option Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Fibre Channel Adapter
HP	HP FCA2214 FC (QLA2340-WLX-HP-SP)
QLogic	QLA2300 QLA2302F QLA2310 QLA2340 QLA2342 QLA2344

Source: CA International, Inc. 5/10/06

BrightStor Enterprise Backup for Windows Certified Device List, January 25, 2006

Table 2-122. CA BrightStor Enterprise Backup for Windows Serverless Option Data Mover Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Data Mover	QLogic Fibre Channel Adapter
ADIC	ADIC SNC 5101	QLA2302F
	ADIC SNC 6101	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Crossroads	Crossroads 10000 Storage Router	QLA2344
	Crossroads 6000	HP FCA2214 FC (QLA2340-WLX-HP-SP)
Overland	Overland NEO Series LXN2000/LXN4000 Incorporated Bridge	QLA2300 QLA2310
	Overland Data NEO via Fibre Channel Option	
Quantum	Quantum FC420	QLA2340 QLA2342
Spectra Logic	Spectra Logic 2000	QLA2340 QLA2342

Source: CA International, Inc. 5/10/06

BrightStor Enterprise Backup for Windows Certified Device List, January 25, 2006

Table 2-123. CA BrightStor SAN Designer r11.1 for Windows Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter
QCP2340 QLA2300 QLA2310-CK QLA2310F-CK QLA2340 QLA2340-CK QLA2340L QLA2340L-CK QLA2342 QLA2342-CK QLA2342L QLA2342L-CK QSB2340 QSB2342

Source: CA International, Inc. 11/18/05

BrightStor SAN Designer Certified Device List, October 18, 2005

Table 2-124. CA BrightStor SAN Designer r11.1 for Windows Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: CA International, Inc. 11/18/05

BrightStor SAN Designer Certified Device List, October 18, 2005

Table 2-125. CA BrightStor SAN Designer r11.5 for Windows Interoperability with QLogic Fibre Channel Adapters Matrix

Company	Fibre Channel Adapter
HP	HP A6826A (QLA2342-UX-HP-BK)
QLogic	QCP2340 QLA2300 QLA2310 QLA2340 QLA2342 QSB2340 QSB2342
Sun Microsystems	SG-XPCI1FC-QF2 (X6767A) (QLA2310-CK)

Source: CA International, Inc. 5/10/06

BrightStor SAN Designer r11.5 Certified Device List, April 13, 2006

Table 2-126. CA BrightStor SAN Designer r11.5 for Windows Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: CA International, Inc. 5/10/06

BrightStor SAN Designer r11.5 Certified Device List, April 13, 2006

The following matrices specify QLogic Fibre Channel Adapter and switch interoperability with CA BrightStor SAN Manager r11.1.

Table 2-127. CA BrightStor SAN Manager Interoperability with QLogic Fibre Channel Adapter Matrix

Operating System	QLogic Adapter	Supported Function
Solaris	QLA2300	SNIA Adapter API v1.0
Windows 2000 Windows NT	QLA2300 QLA2342	SNIA Adapter API v1.0

Source: CA International, Inc. 11/18/05

BrightStor SAN Manager Certified Device List, October 18, 2005

Table 2-128. CA BrightStor SAN Manager Interoperability with QLogic Switches Matrix

QLogic Switch	Supported Functions
520x	Discovery and SAN Health Monitoring

Source: CA International, Inc. 11/18/05

BrightStor SAN Manager Certified Device List, October 18, 2005

The following matrices specify QLogic Fibre Channel Adapter and switch interoperability with CA BrightStor SAN Manager r11.5.

Table 2-129. CA BrightStor SAN Manager r11.5 Interoperability with QLogic Fibre Channel Adapter Matrix

Operating System	QLogic Fibre Channel Adapter
HP-UX	HP A6826A (QLA2342-UX-HP-BK)
Linux (Red Hat Linux, SuSE Linux)	QLA2300 QLA2300F QLA2302F QLA2310 QLA2310F QLA2340 QLA2340L QLA2342 QLA2342L QLA2344
Solaris	QLA2300 QLA2300F QLA2302F QLA2310 QLA2310F QLA2310FL QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QSB2340 QSB2342
Windows 2000 Windows 2003	QLA2300 QLA2300F QLA2302F QLA2310 QLA2310F QLA2310FL QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QLA2350 QLA2352

Table 2-129. CA BrightStor SAN Manager r11.5 Interoperability with QLogic Fibre Channel Adapter Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Windows 2003 (STORport)	QLA2310 QLA2310F QLA2310FL QLA2340 QLA2340L QLA2342 QLA2342L QLA2344

Source: CA International, Inc. 5/10/06

BrightStor SAN Manager r11.5 Certified Device List, March 10, 2006

Table 2-130. CA BrightStor SAN Manager r11.5 Interoperability with QLogic Switches Matrix

QLogic Switch	Supported Functions
520x 560x	■ Basic topology/container discovery using WWN and SCSI Inquiry from Switch and SAN Proxy ■ In-depth logical/physical component discovery using vendor API, SMI-S, or VDS ■ Health Monitoring (ports and sensors for switches, spindles for disk arrays) ■ Performance and Error Monitoring ■ Change Monitoring (Zone, VSAN changes for switches and logical/physical component changes for disk arrays) ■ Switch and Zone Management ■ Path Visualization

Source: CA International, Inc. 5/10/06

BrightStor SAN Manager r11.5 Certified Device List, March 10, 2006

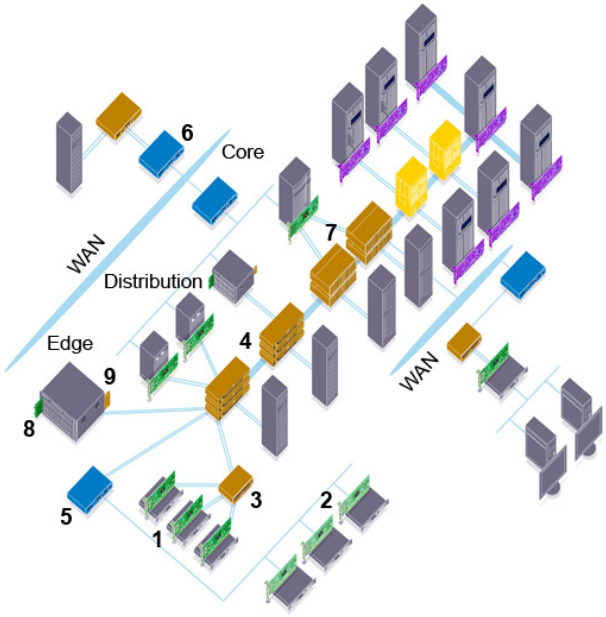
Ciena

www.ciena.com

Ciena and the QLogic Platform

Ciena products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-131. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-131. Ciena and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Ciena and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Ciena Corporation/Akara Corporation.

Table 2-132. Ciena CN 2000 Storage Extension Platform (Release 2.04 or Later) and Compatibility Matrix

Operating System	QLogic Adapter	QLogic Switch
Windows 2000 SP2	QLA2344 QLA2342L QLA2342 QLA2340L QLA2340 QLA2310	SB520*x*

Source: Ciena Corporation 6/15/04

CipherMax

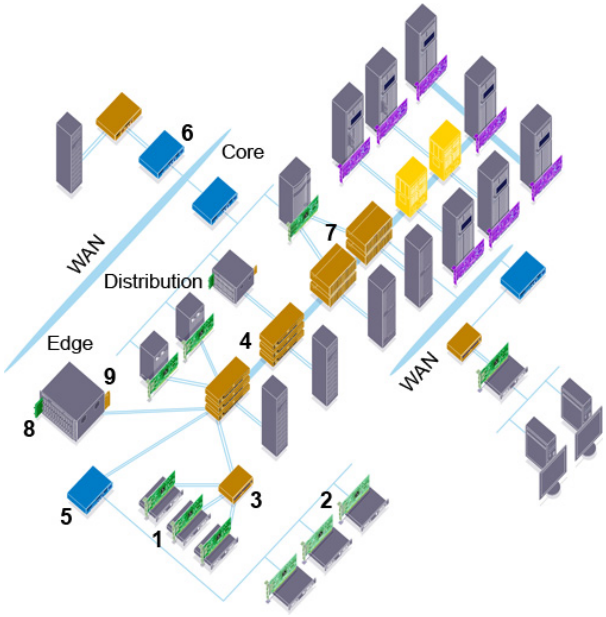
www.ciphermaxinc.com

CipherMax and the QLogic Platform

CipherMax products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-133. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-133. CipherMax and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



CipherMax and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from CipherMax.

Table 2-134. CipherMax Product Interoperability with QLogic Adapters and Switches Matrix

CipherMax Product	Operating System	QLogic Adapter	QLogic Switch
CM140T/CM180D	OS partner-specified	QLA2314	520*x* 560*x*
	Windows 2000 Windows 3003 Windows XP	QLA2310 QLA2342	
	Windows Server 2003 SP2	QLE2460	
CM250 CM500	OS partner-specified	QLA234*x*	

Source: MaXXan 11/27/06, CipherMax 2/26/06, 11/28/07

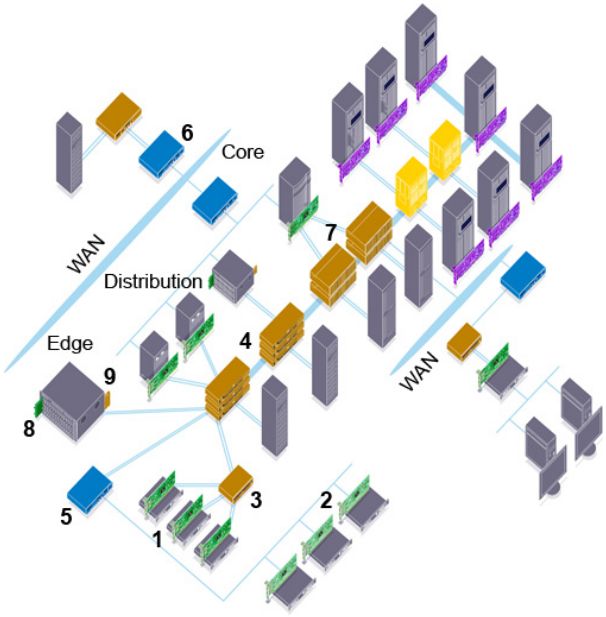
CipherOptics

www.cipheroptics.com

CipherOptics and the QLogic Platform

CipherOptics products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-135. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-135. CipherOptics and QLogic Network Platform

Certified	QLogic Product	
	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
✓	6 iSR6142 and iSR62*xx* Routers	
	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

CipherOptics and QLogic Interoperability Matrices

The solutions in the following matrices have been provided by or obtained from CipherOptics.

Table 2-136. CipherOptics Gateway Product Interoperability with QLogic Routers Matrix

CipherOptics Product	CipherOptics Software Release	QLogic Router
CipherOptics IP Security Gateway SG100 SG1002	5.0	iSR6142[a]
CipherOptics Ethernet Security Gateway ESG100 ESG1002	1.0	iSR6142[a]

Table Notes
[a] Capability to configure the MTU is not currently supported.

Source: CipherOptics 1/22/07

Cisco

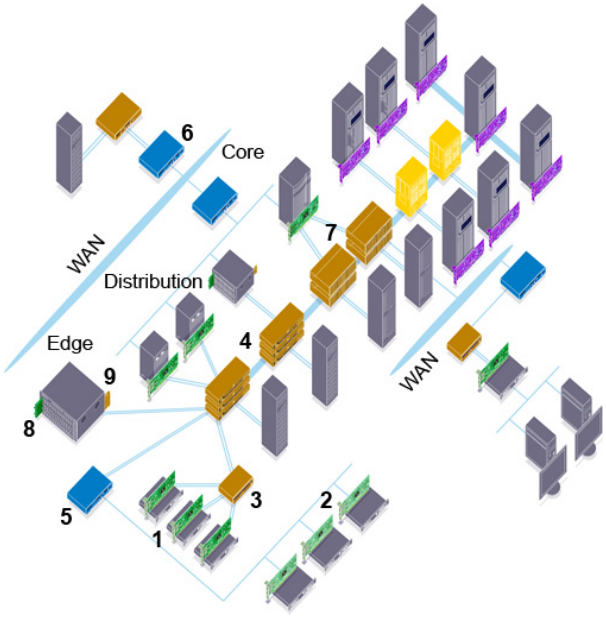
www.cisco.com

Cisco and the QLogic Platform

Cisco products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-137. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-137. Cisco and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



Cisco and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Cisco.

- Table 2-138. Cisco UCS Series Servers Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix
- Table 2-140. SANTap DVT Interoperability Support Matrix with QLogic Fibre Channel Adapters Matrix
- Table 2-141. Data Mobility Manager (DMM) Compatibility with QLogic Fibre Channel Adapters Matrix
- Table 2-142. Cisco Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-143. MDS Interoperability with IBM BladeCenter Matrix

The current Cisco Data Center Interoperability support Matrix can be downloaded from http://www.cisco.com/en/US/docs/switches/datacenter/mds9000/interoperability/matrix/intmatrx.html.

Table 2-138. Cisco UCS Series Servers Interoperability with QLogic Fibre Channel Adapters Matrix

Cisco UCS Server	QLogic Adapter	Operating System
C200 M1 C210 M1 C250 M1	QLE2462	SUSE Linux 64-Bit VMware ESX vSphere

Source: Cisco 2/25/10

Hardware and Software Interoperability Matrix for C Series Servers in Release 1.0(1), 2/2010

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix

Storage	Operating System	Adapter	Cisco Switch
EMC Symmetrix 8000 Series	Windows 2000 Windows NT	QLA2200F-EMC	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4
	Windows 2003	QLA2310F-E, QLA2340-E, QLA2342-E, QLE2562	
	RHL AS 2.1 RHL ES 2.1 RHL 5, 7.3, 8	QLA220F, QLA2310F, QLA2340-E, QLE2562	
	Solaris 8, 9, 10	QLA2202FS-E, QLA2340-E, QLA2342-E	
	VMware ESX 1.5.2, 2.0.1	QLA2340-E, QLA2342-E	
EMC Symmetrix DMX	Windows 2000	QLA2200F-EMC, QLA2310-E, QLA2342-E	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4
	Windows 2003	QLA2310F-E, QLA2340-E, QLA2342-E, QLE2562	
	Windows NT	QLA2310-E, QLA2342-E, QLA2340-E	
	RHL AS 2.1 RHL ES 2.1, 5, 8.0, 7.3	QLA2200F, QLA2310F, QLA2340-E, QLE2562	
	Solaris 8	QLA2202F-E, QLA2202-E, QLA2202FS-E, QLA2340-E, QLA2342-E	
	Solaris 9, 10	QCP2202F-E, QLA2200F-E, QLA2342-E, QLE2562	
	VMware ESX	QLA2340-E, QLA2342-E	
EMC CLARiiON CX200	Windows 2000	QLA2200F-EMC, QLA2310-E, QLA2342-E, QLA2340-E	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4
	Windows 2003	QLA2310F-E, QLA2340-E, QLA2342-E	
	Windows NT	QLA2310-E, QLA2342-E, QLA2340-E	
	RHL AS 2.1 RHL ES 2.1, 7.3, 8.0	QLA220F, QLA2310F, QLA2340-E	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
EMC CLARiiON CX600/400/300/500/700	Windows 2000	QLA2200F-EMC, QLA2310-E, QLA2342-E, QLA2340-E	MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4
	Windows 2003	QLA2310F-E, QLA2340-E, QLA2342-E, QLE2562	
	Windows NT	QLA2310-E, QLA2342-E, QLA2340-E	
	RHL AS 2.1 RHL ES 2.1, 5, 8.0, 7.3	QLA220F, QLA2310F, QLA2340-E, QLE2562	
	Solaris 8	QLA2340-E, QLA2342-E, QCP2202F-E	
	Solaris 9, 10	QCP2202F-E, QLE2562	
HDS TagmaStore Universal Storage Platform (USP, USPV) Series HDS Lightning 990V Series HDS TagmaStore AMS 2300, 1000, 500	Windows 2000 Windows 2003	QLE2460, QLA2462, QLA2340, QLA2342, QLA2344 HP Fibre card IBM Fibre card	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9222i MDS 9134, MDS 9124, MSM 18/4
	Windows 2008	QLA2340, QLA2460, QLE2460, QLE2562	
	Solaris 7, 8, 9, 10	QLA2340, QLE2562	
	RHEL 2.1, 3.0, 4.5, 5.1 SLES 10	QLA2340, QLA2342, QLA2344 HP Fibre card IBM Fibre card	
	VMware ESX	QLA2340	
	NetWare 6.0 SP2, 6.5 SP4a	QLA2300F, QLA2310F, QLA2340, QLA2342, QLA2344	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
HDS Thunder 9500V Series	Windows 2000	QLE2460, QLA2462, QLA2340, QLA2342, QLA2344 HP Fibre card IBM Fibre card	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9222i MDS 9134, MDS 9124, MSM 18/4
	Windows 2003	QLA2462, QLA2340, QLA2342, QLA2344 HP Fibre card IBM Fibre card	
	Windows 2008	QLA2340, QLA2460, QLE2460, QLE2560	
	Solaris 7, 8, 9, 10	QLA2340, QLE2562	
	RHEL 2.1, 3.0, 4.5, 5.1 SLES 10	QLA2340, QLA2342, QLA2344 HP Fibre card IBM Fibre card	
	NetWare 6.0 SP2, 6.5 SP4a	QLA2300F, QLA2310F, QLA2340, QLA2342, QLA2344	
IBM ESS 2105 model 800	Windows NT	QLA2200F, QLA2340L, QLA2342L	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, Blade-Center Cisco Embedded Switch
	Windows 2000 Windows 2003	QLA2200F, QLA2340L, QLA2342L, QLA2310F, QLA2310FL	
	NetWare 6.0	QLA2200F, QLA2340L, QLA2342L, QLA2310F, QLA2310FL	
	RHL 7.2 RHL AS 2.1, 3.0 SLES 7	QLA2200F, QLA2340L, QLA2342L, QLA2310F, QLA2310FL	
	Solaris 2.6, 7, 8, 9	QLA2310FL, QLA2340, QLA2342	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
IBM DS 8000 Series	Windows 2000 Windows 2003 NetWare 5.1, 6.0, 6.5	QLA2310F, QLA2310FL, QLA2340F, QLA2342FL	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9500, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, BladeCenter Cisco Embedded Switch
	RHL 2.1, 3.0 SLES 8, 9	QLA2340F, QLA2342FL, QLA2310F, QLA2310FL	
	Solaris 8, 9, 10	QLA2310FL, QLA2310F, QLA2340F, QLA2342FL	
	VMware ESX 2.5.0, 2.5.1	QLA2310F, QLA2310FL, QLA2340F, QLA2342FL	
IBM DS 6000 Series	Windows 2000 Windows 2003 NetWare 6.0	QLA2310F, QLA2310FL, QLA2340L, QLA2342L, QLA2310F, QLA2310FL	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, Blade-Center Cisco Embedded Switch
	RHL 2.1, 3.0	QLA2340L, QLA2342FL, QLA2310F, QLA2310FL	
	Solaris 8, 9	QLA2310FL, QLA2310F, QLA2340L, QLA2342L	
	VMware ESX 2.0	QLA2310F, QLA2310FL, QLA2340L, QLA2342L	
IBM DS4800	Windows 2000 Windows 2003	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, Blade-Center Cisco Embedded Switch
	NetWare 6.0	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F, QLA2310FL	
	RHL AS 2.1 SLES 8	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F	
	Solaris 2.6, 7, 8, 9	QLA2200F, QLA2300F, QLA2310F	
	VMware ESX 2.5.2	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
IBM DS4200 (FAStT 700), DS4500 (FAStT 900)	Windows NT Windows 2000 Windows 2003 NetWare 6.0	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, Blade-Center Cisco Embedded Switch
	Solaris 2.6, 7, 8, 9, 10	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F	
	VMware ESX 2.0, 2.5.2	QLA2200F, QLA2340L, QLA2342L, QLA2300F	
IBM DS4300 (FAStT 600 Single and Dual Controller), DS4300 Turbo	Windows NT Windows 2000 Windows 2003 NetWare 6.0	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F, QLA2310FL	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, Blade-Center Cisco Embedded Switch
	RHL AS 2.1, 3.0 RHL 3.0 (xSeries) SLES 8, 9 (pSeries)	QLA2340L, QLA2342L, QLA2300F, QLA2310F, QLA2310FL	
	Solaris 2.6, 7, 8, 9, 10	QLA2300F, QLA2340, QLA2342	
IBM DS4100 (FAStT 100)	Windows 2000 Windows 2003	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F, QLA2310FL	MDS 9509, MDS 9506, MDS 9216A MDS 9216i, MDS 9513, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, BladeCenter Cisco Embedded Switch
	RHL 3.0 SLES 8 (xSeries) SLES 9 (pSeries)	QLA2340L, QLA2342L, QLA2300F, QLA2310F, QLA2310FL	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
IBM FAStT 200, 500	Windows NT	QLA2200F, QLA2340L, QLA2342L, QLA2300F	MDS 9500, MDS 9216, MD9216i, MDS 9100, MDS 9124, MDS 9222i, MDS 9134, MSM 18/4, BladeCenter Cisco Embedded Switch
	Windows 2000 Windows 2003	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F	
	RHL 3.0 (pSeries) RHL 8.0 (xSeries) SLES 8.0 (xSeries) SLES 9.0 (pSeries)	QLA2200F, QLA2340L, QLA2342L, QLA2300F, QLA2310F, FC2103, FC2104	
	Solaris 2.6, 7, 8, 9	QLA2200F, QLA2340L, QLA2300F	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
HP XP 10000, 12000, 20000, 240001	Windows 2000	QLA2462, QLA234*x*, QMH2462 (HP c-Class Mezzanine Card)	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9124e, MDS 9222i, MDS 9134 MSM 18/4, MDS 9100, MDS 9200
	Windows 2003	QLA2462, QLA234*x*	
	OpenVMS (IA64)	QMH2462 (HP c-Class Mezzanine Card)	
	HP-UX 11iv1, 11iv2, 11iv3	QMH2462 (HP c-Class Mezzanine Card)	
	Windows 2000	QLA2462, QLA234*x*, QMH2462 (HP c-Class Mezzanine Card)	
	Windows 2003	QLA2462, QLA234*x*	
	Windows 2008	QLA2460 (FC1143), QLA2462 (FC1243), QLE2460 (FC1142), QLE2462 (FC1242), QLA2340 (FCA2214), QLA2342 (FCA2214DC), QMH2462 (HP c-Class Mezzanine Card)	
	Solaris 8, 9, 10	QLA2202, QLA2310, QLA234*x*, QLA2462	
	RHEL 3 U6, 4 U1 SUSE 8 SP4, 9 SP2	QLA234*x*, QLA2462, QLE2462, QMH2462 (HP c-Class Mezzanine Card)	
	NetWare 5.1 SP8 or later	QLA234*x*	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
HP XP128, XP1024	HP-UX 11iv1, 11iv2, 11iv3 OpenVMS (IA64) 8.2-1, 8.3, 8.3-1H1	QMH2462 (HP c-Class Mezzanine Card)	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9124e, MDS 9222i, MDS 9134 MSM 18/4, MDS 9100, MDS 9200
	Windows 2000	QLA2462, QLA234*x*, QMH2462 (HP c-Class Mezzanine Card)	
	Windows 2003	QLA2462, QLA234*x*	
	Solaris 8, 9, 10	QLA2202, QLA2310, QLA234*x*, QLA2462	
	RHEL 3 U6, 4 U1 SUSE 8 SP4, 9 SP2	QLA234*x*, QLA2462, QLE2462, QMH2462 (HP c-Class Mezzanine Card)	
	NetWare 5.1 SP8 or later	QLA234*x*	
HP EVA GL—3000 (HSV100), 5000 (HSV110)	HP-UX 11iv1, 11iv2, 11iv3 OpenVMS (IA64) 8.2-1, 8.3, 8.3-1H1	QMH2462 (HP c-Class Mezzanine Card)	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9124e, MDS 9222i, MDS 9134 MSM 18/4, MDS 9100, MDS 9200
	Windows 2000 Windows 2003	QLA2462, QLA234*x*	
	Windows 2008 (IA32), (x64)	QLA2460 (FC1143), QLA2462 (FC1243), QLE2460 (FC1142), QLE2462 (FC1242), QLA2340 (FCA2214), QLA2342 (FCA2214DC), QMH2462 (HP c-Class Mezzanine Card)	
	RHL AS 2.1 RHEL 3 U6+, 4 U1+ SUSE 7 SUSE 8 SP4+ SUSE 9 SP2+ NetWare 5.1 SP8, 6.1 SP4	QLA234*x*	
	Solaris 8, 9, 10	QLA2310, QLA234*x*	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
HP EVA XL—4000, 6000, 800	HP-UX 11iv1, 11iv2, 11iv3 OpenVMS (IA64) 8.2-1, 8.3, 8.3-1H1	QMH2462 (HP c-Class Mez-zanine Card)	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9124e, MDS 9222i, MDS 9134 MSM 18/4, MDS 9100, MDS 9200
	Windows 2000	QLA2462, QLA234*x*	
	Windows 2008	QLA2460 (FC1143), QLA2462 (FC1243), QLE2460 (FC1142), QLE2462 (FC1242), QLA2340 (FCA2214), QLA2342 (FCA2214DC), QMH2462 (HP c-Class Mezzanine Card)	
	RHL AS 2.1 RHEL 3 U6+ RHEL 4 U1+ SUSE 7 SUSE 8 SP4+ SUSE 9 SP2+ NetWare 5.1 SP8, 6.1 SP4	QLA234*x*	
	Solaris 8, 9, 10	QLA2310, QLA234*x*	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
HP MSA1000, MSA1500 (Active/Active)	HP-UX 11iv1, 11iv2 OpenVMS (IA64) 8.2-1, 8.3, 8.3-1H1	QMH2462 (HP c-Class Mezzanine Card)	MDS 9513, MDS 9509, MDS 9506, MDS 9216A, MDS 9216i, MDS 9124, MDS 9124e, MDS 9222i, MDS 9134 MSM 18/4, MDS 9100, MDS 9200
	Windows 2000 Windows 2003	QLA234*x*	
	Windows 2008	QLA2460 (FC1143), QLA2462 (FC1243), QLE2460 (FC1142), QLE2462 (FC1242), QLA2340 (FCA2214), QLA2342 (FCA2214DC), QMH2462 (HP c-Class Mezzanine Card)	
	RHL AS 2.1 RHEL 3 U6+ RHEL 4 U1+ SUSE 7 SUSE 8 SP4+ SUSE 9 SP2+ VMware ESX 3.0 (MSA1000 only)	QLA234*x*	
NEC S2300, S1300, S2800	Solaris 8, 9	QLA2310F	MDS 9500, MDS 9216i
NEC D1-10, D3-10	Windows 2003 Windows 2008 (x32), (x64)	QLE2460, QLA2460	MDS 9124
	RHL 5 (x64)	QLA2460, QLE2460, QLA2460, QLE2460	
NEC D8-30	Windows 2008 (x32), (x64) RHL 5 (x64)	QLE2460, QLA2460	MDS 9500, MDS 9124

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
Fujitsu® Eternus 2000	Solaris 8, 9, 10	QLA2340, QLA2342, QLA2460, QLA2462	MDS 9500, MDS 9216i, MDS 9124
	Solaris 10 (x86)	QLA2460, QLA2462	
	Windows 2000 Windows 2003	QLA2460, QLA2462, QLE2460, QLE2462, QLE2464	
	RHEL AS 4 (x86) RHEL ES 4 (x86) RHEL 5 (x86)	QLA2340, QLA2342, QLA2344, QLE2360, QLE2362	
	SLES 9, 10	QLA2460, QLA2462, QLE2460, QLE2462, QLE2464	
	VMware Infrastructure	QLA2340, QLA2342, QLA2460, QLE2462	
Fujitsu Eternus 3000, Eternus 6000	Windows 2000 Windows 2003 RHL AS 2.1, 3.0	QLA2342	MDS 9500, MDS 9216i
Fujitsu Eternus 4000	Windows 2000 Windows 2003 RHEL AS 3 (x86) RHEL ES 3 (x86) RHEL AS 4 (x86) RHEL ES 4 (x86) RHEL 5 SLES (x86) 8, 9, 10 SLES 8, 9, 10	QLA2340, QLA2342, QLE2360, QLE2362, QLE2364, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464	MDS 9509, MDS 9506, MDS 9124
	VMware Infrastructure	QLA2340, QLA2342, QLA2460, QLE2462	
	VMware ESX 2.5.3, 2.5.4	QLA2340, QLA2342	
	Solaris 8, 9, 10	QLA2340, QLA2342, QLA2460, QLA2462	
	Solaris 10 (x86)	QLA2460, QLA2462	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
Fujitsu Eternus 8000	Windows 2000 Windows 2003 RHEL AS 3 (x86) RHEL ES 3 (x86) RHEL AS 4 (x86) RHEL ES 4 (x86) RHEL 5 (x86), (IA64) SLES 8, 9, 10	QLA2340, QLA2342, QLE2360, QLE2362, QLE2364, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464	MDS 9509, MDS 9506, MDS 9216i, MDS 9124
	VMware Infrastructure	QLA2340, QLA2342, QLA2460, QLE2462	
	VMware ESX 2.5.3, 2.5.4	QLA2340, QLA2342	
	Solaris 8, 9	QLA2340, QLA2342, QLA2460, QLA2462	
	Solaris 10 (x86)	QLA2460, QLA2462	
ADTX ArrayMasStor L	Windows 2000 Windows 2003	QLA2340	MDS 9500, MDS 9216i
Infortrend® EonStor F16F-R2A2, EonStor 2510FS	RHL 8.0	QLA2310	MDS 9500, MDS 9216i, MDS 9216

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
3PAR InServ Storage Server	Windows 2000 windows 2003 Windows 2008 RHEL 3, 4, 5	QLA2310F, QLA2310FL, QLA2340L, QLA2342L, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, 26K4859, 26K4841, 300874-B21, 361426-B21, 381881-B21, 354054-B21, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, 26R0890, 26R0884, 41Y8527, 39Y9306, 403619-B21, 341-3574	MDS 9500, MDS 9216i, MDS 9124 MDS 9134
	SLES 9, 10	QLA2310F, QLA2310FL, QLA2302F, QLA2340, QLA2342, QLA2344, QLA2302, QLA2460, QLA2462, QLE2360, QLE2362, QLE2460, QLE2462, QLA2300F, QLA2440, QLE2440	
	VMware ESX 3.0, 3.0.x, 3.5, 3i	All 2Gb and 4Gb QLogic Fibre Channel adapters supported by VMware	
	Solaris SPARC 8, 9, 10	QLA2300F, QLA2302F, QLA2310F, QLA2310FL, QLA2340L, QLA2342L, QLA2344, QLA2460, QLA2462	
	Solaris 10 (x86 and x64)	QLA2340L	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
XIOTech Magnitude (Release 10.01/11.01), Magnitude 3D (Release 2.5/3.13), Magnitude 3D 3000 (Release 4.1)	Windows 2000 Windows 2003	QLA2340, QLA2310, QLA2200	MDS 9500, MDS 9216i, MDS 9222i, MDS 9124, MDS 9134, MSM 18/4, MDS 9513
	Windows NT RHL 8.0, RHL AS 2.1, RHEL 3.0 NetWare 5.1, 6, 6.5	QLA2340, QLA2200, QLA2310F	
	SUSE Linux United 1.0 SLES 9	QLA2310F, QLA2340	
	VMware ESX Server	QLA2310F	
	Solaris 7, 8, 9	QLA2310F, QLA2200, QLA2202FS, QSB2340	
XIOTech Emprise 5000 1.2.4	Windows 2000 Windows 2003	QLA2340, QLA2310, QLA2200	MDS 9500, MDS 9216i, MDS 9222i, MDS 9124, MDS 9134, MSM 18/4
	Windows NT NetWare 5.1, 6, 6.5	QLA2340, QLA2200, QLA2310F	
	RHL 8, RHL AS 2.1, RHEL 3.0 Linux Oracle EL (x64) 4.7, 5.1, 5.3	QLA246*x*, QLA234*x*, QLE256*x*	
	SUSE United Linux 1.0 SLES 9	QLA2310F, QLA2340	
	VMware ESX Server	QLA2310F	
	Solaris 7, 8, 9	QLA2310F, QLA2200, QLA2202FS, QSB2340	

Table 2-139. Cisco MDS 9000 Family Switch Interoperability with Storage and QLogic Fibre Channel Adapters Matrix (Continued)

Storage	Operating System	Adapter	Cisco Switch
XIOTech Emprise 7000 8.3.30	Windows 2000 Windows 2003	QLA2340, QLA2310, QLA2200	MDS 9500, MDS 9216i, MDS 9222i, MDS 9124, MDS 9134, MSM 18/4
	Windows NT	QLA2340, QLA2200, QLA2310F	
	RHEL 2.1, 3.0, 4.5, 4.7, 4.8, 5.1, 5.2, 5.3 (x64)	QLA234*x*, QLA231*x*, QLA2200, QLA246*x*, QL*x*246	
	SLES 8, 9 (SP2, SP3), 10 (SP1, SP2), 11 (x64)	QLA2310F, QLA2340	
	NetWare 5.1 SP7, 6.0 SP5, 6.5 (SP3,SP6, SP8) (x86) VMware ESX 3.5, vSphere 4.0 Solaris 8, 7, 9, 10 SPARC, 10 (x64)	QLA231*x*, QL*x*246*x*, QLA234*x*	
Pillar Data Axiom Storage System 300, 500	Windows 2000 Windows 2003	QLA2200, QLA2310, QLA234*x*, QLE246*x*, QLA246*x*, QMH2462 (HP c-Class Mezzanine Card)	MDS 9500, MDS 9216i, MDS 9216A, MDS 9513, MDS 9124
	RHL ES 3.0, 4.0, 5.0 OEL 4.0 SUSE 9	QLA2310F, QLA2310FL, QLA234*x*, QLA246*x*, QLE2460*x*	
	Solaris 8, 9, 10	QLA2200, QLA2310, QLA234*x*, QCP2340, QCP2342	
	VMware ESX 2.5.2, 3.0.2, 3.5	QLA2310, QLA234*x*	
Compellent Technologies StorageCenter	Windows 2003	QLA2342	MDS 9124
	Solaris	QLA2462	
Nexsan® ATAboy-2X, ATAbeast, SATAboy	Windows 2000 Windows 2003 RHL 9 RHEL	QLA2312	MDS 9500, MDS 9216i

Source: Cisco 2/25/10

Cisco Data Center Interoperability Support Matrix January 2010, Cisco MDS NX-OS Release 4.2(3) and Cisco MDS SAN-OS Release 3.3(4a)

Table 2-140. SANTap DVT Interoperability Support Matrix with QLogic Fibre Channel Adapters Matrix

Storage	Operating System	QLogic Adapter	Cisco Switch
HDS: TagmaStore Universal Storage Platform (USP), Adaptable Modular Storage, Lightning	Windows 2003	QLA2340, QLE2460	SSM, MSM 18/4, MDS 9222i
	NetWare VMware ESX Solaris	QLA2340	
IBM: ESS 2105 model 800, DS 8100	Solaris Red Hat Linux	QLA2462	SSM, MSM 18/4, MDS 9222i
IBM: DS4200 (FAStT 700), DS4500 (FAStT 900) HP	Windows 2000	QLA2462	SSM, MSM 18/4, MDS 9222i
HP: MSA 1500, HP EVA XL4000 (HSV200, HSV201), 6000 (HSV200, HSV201), 8000 (2Gb or 4Gb) (HSV210)	Windows 2000	QLA2342	SSM, MSM 18/4, MDS 9222i
	Windows 2003	QMH2462 (HP c-Class Mezzanine Card)	
	Red Hat Linux	QLA2460	
NetApp: v3070c, FAS3050c, FAS940c (ONTAP 7.2.4)	Windows 2003	QLA2342, QMH2462 (HP c-Class Mezzanine Card)	SSM, MSM 18/4, MDS 9222i
	Solaris	QLA2462	
	Red Hat Linux	QLA2460 QMH2462 (HP c-Class Mezzanine Card)	
EMC: Symmetrix DMX1000, DMX3, CX500, CX700	Windows 2003	QMC2462 (mezzanine card)	SSM, MSM 18/4, MDS 9222i
	Red Hat Linux	QLA234 (mezzanine card)	
	Solaris	QLA2342	

Source: Cisco 2/25/10

Cisco Data Center Interoperability Support Matrix January 2010, *Cisco MDS NX-OS Release 4.2(3) and Cisco MDS SAN-OS Release 3.3(4a)*

Table 2-141. Data Mobility Manager (DMM) Compatibility with QLogic Fibre Channel Adapters Matrix

Vendor	Action	Operating System	QLogic Adapter	Multipath Application	Switch
EMC	Transfer data from an existing CLARiiON 600 to a new CLARiiON 700.	Windows 2003	QLE2462	PowerPath	SSM, MSM 18/4, MDS 9222i
		Red Hat Linux		PowerPath, Device Mapper	
	Transfer data from an existing CLARiiON 600 to a new DMX 3000.	Windows 2003 Red Hat Linux		PowerPath	
	Transfer data from an existing Symmetrix-5 to a new DMX 3000.				
	Transferring data from an existing Symmetrix 8430 to a new HDS USPV.	Windows 2003			
	Transfer data from an existing DMX-3 to a new CLARiiON 600, and then back to a DMX-3.				

Table 2-141. Data Mobility Manager (DMM) Compatibility with QLogic Fibre Channel Adapters Matrix (Continued)

Vendor	Action	Operating System	QLogic Adapter	Multipath Application	Switch
IBM	Transfer data from an existing FAStT to a new DS4500.	Windows 2003	QLE2462	RDAC	SSM, MSM 18/4, MDS 9222i
		Red Hat Linux	QLEA2342	RDAC, Device Mapper	
	Transfer data from an existing ESS 2105 model 800 to a new DS8000.	Windows 2003	QLA2342	SDD	
	Transfer data from an existing DS4500 to a new DS8000.	Windows 2003	QLA2342	RDAC, SDD	
		Red Hat Linux	QLA2342	SDD, Device Mapper	
	Transfer data from an existing HP EVA 4000 to a new IBM DS8100.	Windows 2003	QLA2462	MPIO	
	Transfer data from an existing HP XP12000 to a new IBM DS8100.	Windows 2003	QLA2462	MPIO	
	Under VMware ESX environment, transfer data from an existing FAStT900 to a new IBM DS4500.	VMware ESX	QLA2432	VMware Native	
	Under MSCS, transfer data from an existing HDS 9585v to a new IBM DS8100.	Windows 2003	QLA2462	HDLM	
HP	Transfer data from an existing EVA 5000 to a new EVA 4000/ 8000.	Windows 2003	QLE2462	SecurePath	SSM, MSM 18/4, MDS 9222i
		Red Hat Linux	QLE2462	QL Failover	
	Transfer data from an existing EVA 5000 to a new XP12000.	Windows 2003	QLE2462	MPIO	
		Red Hat Linux	QLE2462	QL Failover	
	Transfer data from an existing XP1024 to a new XP12000.	Windows 2003	QLE2462	MPIO	
		Red Hat Linux	QLE2462	QL Failover	

Table 2-141. Data Mobility Manager (DMM) Compatibility with QLogic Fibre Channel Adapters Matrix (Continued)

Vendor	Action	Operating System	QLogic Adapter	Multipath Application	Switch
HDS	Transfer data from an existing HDS9585 to a new HDS9970v.	Windows 2003	QLE2462	HDLM	SSM, MSM 18/4, MDS 9222i
		Red Hat Linux			
	Transfer data from an existing HDS9585 to a new TagmaStore.	Windows 2003			
		Red Hat Linux			
	Transfer data from an existing HDS9000 to a new TagmaStore.	Windows 2003			
		Red Hat Linux			
	Transfer data from an existing HDS9200 to a new HDS USPV.	Windows 2003			
		Red Hat Linux			
NetApp	Transfer data from an existing FAS940C to a new FAS940C.	Windows 2003	QLE2462	N/A	SSM, MSM 18/4, MDS 9222i
		Red Hat Linux			
Sun	Transfer data from an existing StorageTek 9985V to a new StorageTek 9990V.	Windows 2003	QLE2462	HDLM	SSM, MSM 18/4, MDS 9222i
		Red Hat Linux			
	Transfer data from an existing StorageTek 9900V to a new StorageTek 9990V	Windows 2003			
		Red Hat Linux			

Source: Cisco 2/25/10

Cisco Data Center Interoperability Support Matrix January 2010, Cisco MDS NX-OS Release 4.2(3) and Cisco MDS SAN-OS Release 3.3(4a)

Table 2-142. Cisco Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch	Cisco MDS Operating System Version	MDS Interop Mode
SB520*x*	2.1	Native
SB560*x*	3	

Source: Cisco 2/25/10

Cisco Data Center Interoperability Support Matrix January 2010, *Cisco MDS NX-OS Release 4.2(3) and Cisco MDS SAN-OS Release 3.3(4a)*

Table 2-143. MDS Interoperability with IBM BladeCenter Matrix

BladeCenter Module	MDS Switch
QLogic Six-port 2Gb Enterprise Fibre Channel Switch Module (no interop mode required)	MDS 9500, MDS 9513, MDS 9200, MDS 9100
QLogic Six-port 4Gb Enterprise Fibre Channel Switch Module (no interop mode required)	
QLogic 4Gb Intelligent Pass-thru Module	MDS 9500, MDS 9513, MDS 9200, MDS 9100, MDS 9124

Source: Cisco 2/25/10

Cisco Data Center Interoperability Support Matrix January 2010, *Cisco MDS NX-OS Release 4.2(3) and Cisco MDS SAN-OS Release 3.3(4a)*

Citrix

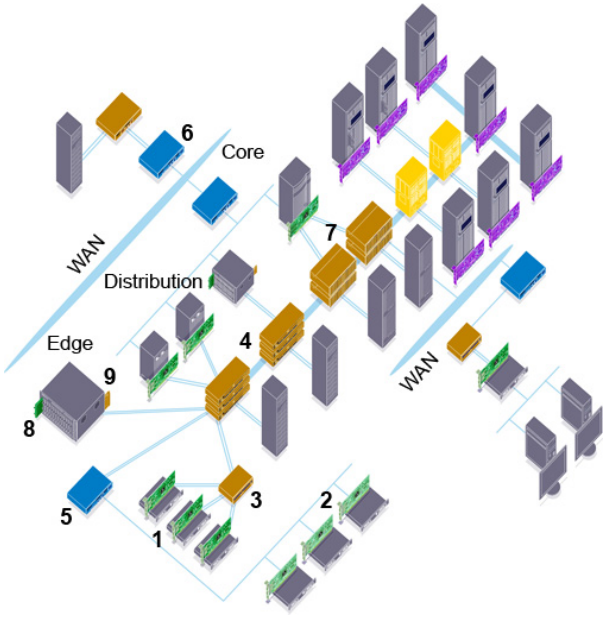
www.citrixxenserver.com

Citrix and the QLogic Platform

Citrix products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-144. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-144. Citrix and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Citrix and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Citrix.

- Table 2-145. Citrix XenServer Enterprise Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-146. Citrix XenServer Interoperability with QLogic Blade Server Adapters Matrix

Table 2-145. Citrix XenServer Enterprise Interoperability with QLogic Fibre Channel Adapters Matrix

Company	QLogic Adapter	XS 4.0	XS 4.1	XS 5.0
Dell	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)			X
HP	HP FC1142SR (AE311A) (QLE2460-HP-SP) HP FC1143 (QLA2460-HP-SP) HP FC1243 (QLA2462-WLX-HP-SP) HP FC1242SR (AE312A) (QLE2462-HP-SP)		X	
QLogic	QCP2340, QCP2342			X
	QEM2462	X	X	X
	QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA4050, QLA4050C, QLA4052C	X	X	X
	QLE2460		X	X
	QLE2462, QLE2464	X	X	X
	QLE256x			X
	QLE4060C, QLE4062C	X	X	X
	QSB2340, QSB2342			X

Source: Citrix 10/17/08; QLogic 1/27/09
Hardware Compatibility for Citrix XenServer, http://hcl.xensource.com/

Table 2-146. Citrix XenServer Interoperability with QLogic Blade Server Adapters Matrix

QLogic Blade Server Adapter	XS 4.0	XS 4.1	XS 5.0
Dell Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (CN040) (QME2462)	X	X	X
Dell Dual Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (DR213) (QME2472)			X
HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) (ISP2312 (ASIC only)) HP QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) (ISP2312 (ASIC only))	X	X	X
HP QLogic-based FC Mezzanine Adapter for BL460c/BL465c/BL480c (403619-B21) (QMH2462-HP-BK)		X	X
IBM QLogic 2Gb SFF Fibre Channel Expansion Card (26K4841) (FRU 26K4859) IBM QLogic 2Gb Standard Fibre Channel Expansion Card (13N2203) IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462)	X	X	X
IBM QLogic iSCSI Expansion Card (32R1923) (QMC4052R)		X	X
IBM QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472)			X

Source: Citrix 10/17/08
Hardware Compatibility for Citrix XenServer, http://hcl.xensource.com/

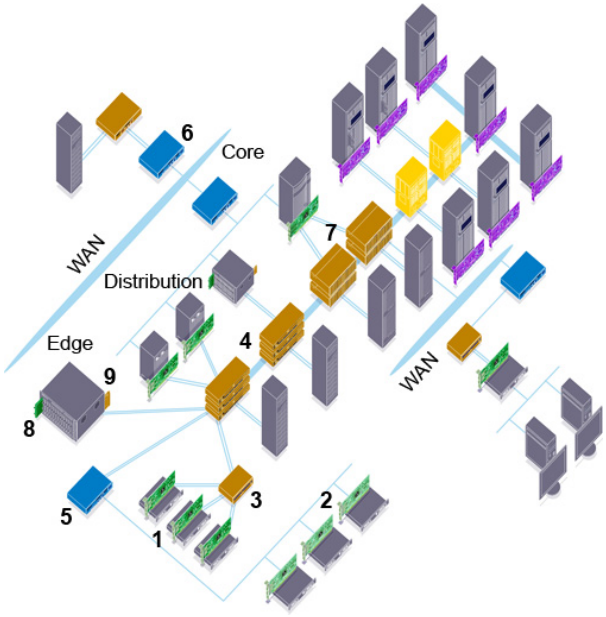
Cloverleaf

www.cloverleafcomm.com

Cloverleaf and the QLogic Platform

Cloverleaf products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-147. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-147. Cloverleaf and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
✓	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Cloverleaf and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Cloverleaf.

Table 2-148. Cloverleaf iSN Management System Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Cloverleaf Product	Operating System	QLogic Adapter	QLogic Switch
Intelligent Storage Networking (iSN) Management System	Red Hat Enterprise Linux 5	QLA2340 QLA2342 QLE2460 QLE2462 QLE256x Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	560*x* 560*x*Q 580*x*V 9008V
	Solaris 9, 10	QLA2340 QLA2342	560*x* 560xQ 580xV 9008V
	Solaris 10 x86	QLE2460 QLE2462 QLE256x Dell Dual Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	560*x* 560*x*Q 580*x*V 9008V
	SUSE Linux Enterprise Server (SLES) 9	QLA2340 QLA2342 QLE2460 QLE2462	560*x* 560*x*Q 580*x*V 9008V
	SUSE Linux Enterprise Server (SLES) 10	QLA2340 QLA2342 QLE2460 QLE2462 QLE256x Dell Dual Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	560*x* 560*x*Q 580*x*V 9008V

Table 2-148. Cloverleaf iSN Management System Interoperability with QLogic Fibre Channel Adapters and Switches Matrix (Continued)

Cloverleaf Product	Operating System	QLogic Adapter	QLogic Switch
Intelligent Storage Networking (iSN) Management System (Continued)	Windows 2003 Server SP2	QLA2340 QLA2342 QLE2460 QLE2462 QLE256x Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	560*x* 560*x*Q 580*x*V 9008V

Source: Cloverleaf 12/12/07, 10/7/08; QLogic 10/23/08, 1/27/09

CommandSoft

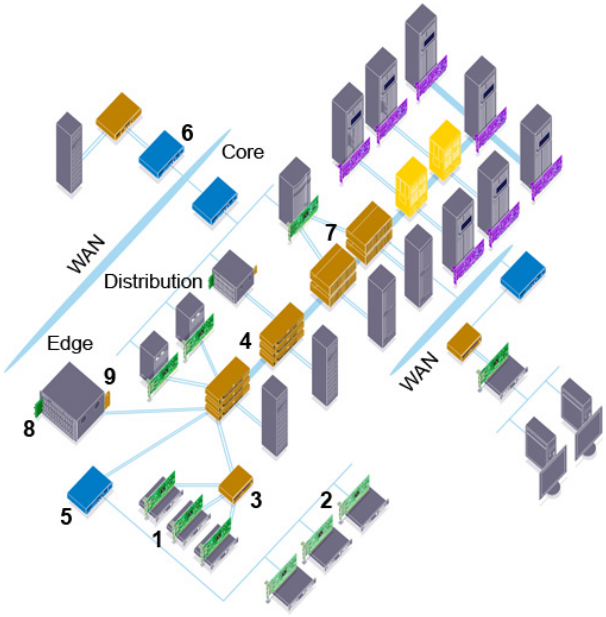
www.commandsoft.com

CommandSoft and the QLogic Platform

CommandSoft products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-149. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-149. CommandSoft and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



CommandSoft and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from CommandSoft.

Table 2-150. CommandSoft FibreJet Software Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Mac OS X up to 10.4.6	QLA2310 QLA246*x* QLE246*x*	520*x* 560*x*
Mac OS X up to 9.*xx*	QLA2310	

Source: CommandSoft, Inc. 7/19/06

CommVault

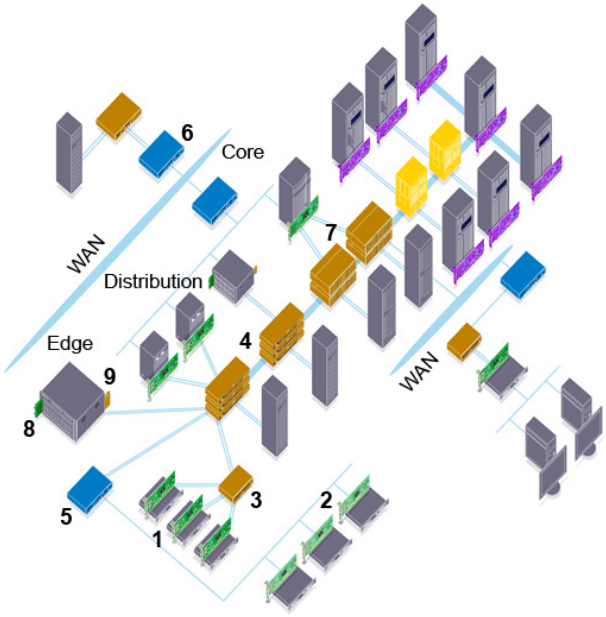
www.commvault.com

CommVault and the QLogic Platform

CommVault Systems, Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-151. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-151. CommVault and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
✓	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
✓	8 Blade Server Adapters	
	9 Blade Server Switch Modules	



CommVault and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from CommVault®.

- Table 2-152. CommVault Software Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-153. CommVault Software Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-154. CommVault Software Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-155. CommVault Software Interoperability with QLogic Fibre Channel Blade Server Adapters Matrix

Table 2-152. CommVault Software Interoperability with QLogic Fibre Channel Adapters Matrix

Minimum CommVault Software Version	Operating System	QLogic Adapter	Minimum Adapter Firmware Version
6.1.0	Linux	QLA231*x*	1.34, 1.43
		QLA234*x*	1.43, 1.52, 1.54
		QLA235*x*	1.34
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)
6.1.0	NetWare	QLA230*x*	1.43
		QLA231*x*	1.34, 1.43
		QLA234*x*	1.43, 1.47, 1.52, 1.54
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)
		QLE2360 QLE2362	1.05 (3.03.16)
		QLE24*xx*	1.04 (4.00.12), 1.69 (4.03.01)
6.1.0	Solaris	QLA231*x*	1.34, 1.43
		QLA234*x*	1.43, 1.52, 1.54
		QSB234*x*	2.00.07, 3.1.20

Table 2-152. CommVault Software Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Minimum CommVault Software Version	Operating System	QLogic Adapter	Minimum Adapter Firmware Version
6.1.0	Windows 2000	QLA230*x*	1.30
		QLA231*x*	1.34, 1.43
		QLA234*x*	1.54
		QLA235*x*	1.34
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)
		QLE2360 QLE2362	1.05 (3.03.16)
		QLE24*xx*	1.04 (4.00.12), 1.69 (4.03.01)
		QLE2560 QLE2562	4.03.02 (2.02)
6.1.0	Windows 2003	QLA230*x*	1.30
		QLA231*x*	1.43, EMC 1.47
		QLA234*x*	1.54
		QLA235*x*	1.34
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)
		QLE2360 QLE2362	1.05 (3.03.16)
		QLE24*xx*	1.04 (4.00.12), 1.69 (4.03.01)
		QLE2560 QLE2562	4.03.02 (2.02)
6.1.0	Windows 2003 (IA64)	QLA230*x*	1.04, 1.12, 1.34
		QLA234*x*	1.43, 1.52, 1.54
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)

Table 2-152. CommVault Software Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Minimum CommVault Software Version	Operating System	QLogic Adapter	Minimum Adapter Firmware Version
6.1.0	Windows 2003 (x64)	QLA234*x*	1.43, 1.52, 1.54
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)
		QLE2360 QLE2362	1.05 (3.03.16)
		QLE24*xx*	1.04 (4.00.12), 1.69 (4.03.01)
		QLE2560 QLE2562	4.03.02 (2.02
7.0	Linux	QLA230*x*	1.34, 3.02
7.0	Solaris	QLA230*x*	1.30
		QLA24*xx*	1.24 (4.00.26), 1.69 (4.03.01)
7.0	Solaris 10 (x64)	QLE24*xx*	1.04 (4.00.23), 1.69 (4.03.01)
		QLA230*x*	1.30, 4.0.23
7.0	Windows 2008	QLA24*xx*	4.03.01

Source: CommVault, February 2010

For more detail, see
http://services.commvault.com/hardware_compatibility_matrix.asp?stp=3&ostype=0&vendor=21&viewrq=0

Table 2-153. CommVault Software Interoperability with QLogic iSCSI Adapters Matrix

Minimum CommVault Software Version	Operating System	QLogic Adapter	Minimum Adapter Firmware Version
6.1.0	Solaris Windows 2000 Windows 2003	QLA4010*x*	3.0.0.4
		QLA405*x*	2.0.0.7

Source: CommVault, February 2010

For more detail, see
http://services.commvault.com/hardware_compatibility_matrix.asp?stp=3&ostype=0&vendor=21&viewrq=0

Table 2-154. CommVault Software Interoperability with QLogic Fibre Channel Switches Matrix

Minimum CommVault Software Version	Operating System	QLogic Switch	Minimum Switch Firmware Version
6.1.0	AIX	SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
		SB9000	6.2.1.3.0
6.1.0	HPUX 11	SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
6.1.0	Linux	SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
6.1.0	Netware	SB5200 SB5202	5.0.1.10
		SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
		SB9000	6.2.1.3.0
6.1.0	Solaris	SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
		SB9000	6.2.1.3.0
6.1.0	Solaris 10 (x64)	SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
6.1.0	Tru64 5	SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00

Table 2-154. CommVault Software Interoperability with QLogic Fibre Channel Switches Matrix (Continued)

Minimum CommVault Software Version	Operating System	QLogic Switch	Minimum Switch Firmware Version
6.1.0	Windows 2000	SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
		SB9000	6.2.1.3.0
6.1.0	Windows 2003	SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
		SB9000	6.2.1.3.0
6.1.0	Windows 2003 (IA64)	SB5200 SB5202	5.0.1.10
		SB5602	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
		SB9000	6.2.1.3.0
6.1.0	Windows 2003 (x64)	SB5602	5.0.1.10
		SB9000	6.2.1.3.0
		SB5200 SB5202	5.0.1.10
		SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00
7.0	AIX	SB3810	7.4.0.16.00
7.0	HPUX 11	SB3810	7.4.0.16.00
7.0	Linux	SB3810	7.4.0.16.00
7.0	Netware	SB3810	7.4.0.16.00
7.0	Solaris	SB3810	7.4.0.16.00
7.0	Solaris 10 (x64)	SB3810	7.4.0.16.00
		SB9000	6.2.1.3.0
7.0	Tru64 5	SB3810	7.4.0.16.00
7.0	Windows 2000	SB3810	7.4.0.16.00

Table 2-154. CommVault Software Interoperability with QLogic Fibre Channel Switches Matrix (Continued)

Minimum CommVault Software Version	Operating System	QLogic Switch	Minimum Switch Firmware Version
7.0	Windows 2003	SB3810	7.4.0.16.00
7.0	Windows 2003 (x64)	SB3810	7.4.0.16.00
7.0	Windows 2008	SB3810	7.4.0.16.00
7.0	Windows 2008	SB5802V	7.2.0.4.0, 7.4.0.13.00, 7.4.0.16.00

Source: CommVault, February 2010

For more detail, see
http://services.commvault.com/hardware_compatibility_matrix.asp?stp=3&ostype=0&vendor=21&viewrq=0

Table 2-155. CommVault Software Interoperability with QLogic Fibre Channel Blade Server Adapters Matrix

Minimum CommVault Software Version	Operating System	QLogic Adapter	Minimum Adapter Firmware Version
6.1.0	Windows 2000	QME2573	4.03.02 (2.02)
	Windows 2003 Windows 2003 (x64)	QME2572	

Source: CommVault, February 2010

For more detail, see
http://services.commvault.com/hardware_compatibility_matrix.asp?stp=3&ostype=0&vendor=21&viewrq=0

Compellent

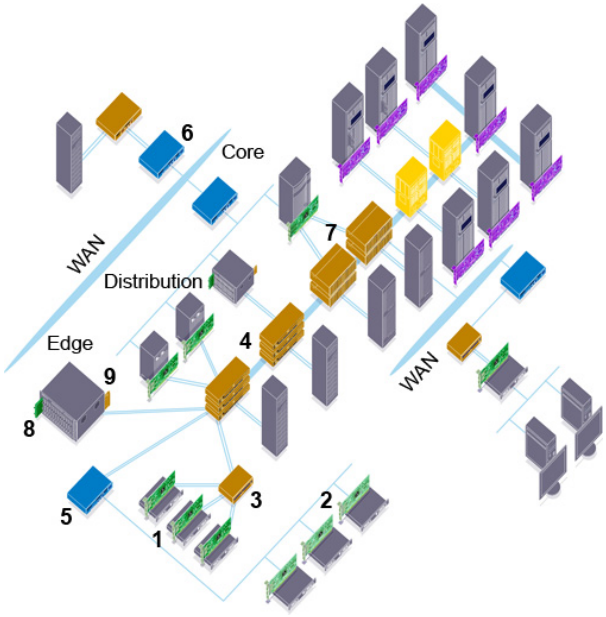
www.compellent.com

Compellent and the QLogic Platform

Compellent products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-156. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-156. Compellent and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Compellent and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Compellent.

- Table 2-157. Compellent Storage Center Interoperability with QLogic Fibre Channel Adapters and Switches Matrix
- Table 2-158. Compellent Storage Center Interoperability with QLogic iSCSI Adapters and Routers Matrix

Table 2-157. Compellent Storage Center Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Compellent Storage Center	Operating System	QLogic Adapter	QLogic Switch
OS 3.03.02	Red Hat Linux AS 3.0	QLA2342	SB9000
	Red Hat Linux AS 4.0	QLE246*x*	SB560*x*
	Windows 2003 SP1	QLE2460	SB9000
	Windows Server 2003 R2 (IA32) Windows Server 2003 SP1 (IA64)	QLE246*x*	SB560*x*
OS 3.03.05	Red Hat Linux 4.0 Windows 2003	QLA246*x* QLE246*x*	SB560*x*
OS 3.0.3.11	Red Hat Linux 3 Windows 2000 Windows 2003	QLE246*x*	SB560*x*
	Solaris 5.9	QLA2340	
OS 3.3.0	Solaris 5.9	QLA2340	SB520*x*
	Windows Server 2003 SP1	QLA2340 QLA2342	

Table 2-157. Compellent Storage Center Interoperability with QLogic Fibre Channel Adapters and Switches Matrix (Continued)

Compellent Storage Center	Operating System	QLogic Adapter	QLogic Switch
OS 3.3.4	NetWare 6.5 Red Hat Linux AS 3.0 (8/9) Red Hat Enterprise Linux 4 Solaris SPARC 9, 10 SLES 8 SLES 9 VMware ESX 2.5.1 Windows 2000 Server SP4 Windows 2003 Server SP1 Windows 2003 Server (x64)	QLA23*xx*	SB520*x*
	AIX 5.2 HP-UX 11i Mac OS X 10.3, 10.4 Tru64 5.1a		
OS 4.0.1	Red Hat Linux AS 4, 4 (x64) Windows 2003 Server SP2 R2 Windows 2003 Server SP2 (x64)	QLE2462 QLE2464	SB560*x* SB9000

Source: Compellent 12/19/06; QLogic 4/18/07, 5/22/08

QLogic Certification Test Report, 6142 Phase II, QLogic Certification Lab. April 5, 2007

Sun SL3000 Testing Report, QLogic Certification Lab. May 2008

Sun VTL 2.0 Testing Report, QLogic Certification Lab. May 2008

Table 2-158. Compellent Storage Center Interoperability with QLogic iSCSI Adapters and Routers Matrix

Compellent Storage Center	QLogic Adapter	QLogic Router	Operating System	SAN Boot
OS 3.03.05	QLA4052C	iSR6140 iSR6142	Windows 2003 Server Red Hat Linux AS 4.0	
OS 3.3.4	QLA4010	iSR6140 iSR6142	Windows 2000 Server Windows 2003 Server	X
			Solaris SPARC 8, 9 SUSE Linux SLES 9 Red Hat Linux AS ES 4	
OS 3.6.1 OS 4.0.1	QLE406*x*C Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)		Windows	

Table Notes
SAN boot requires one QLogic QLA4010 Adapter with driver in the server.

Source: Compellent 12/19/06, 1/16/08; QLogic 7/8/08

DataCore

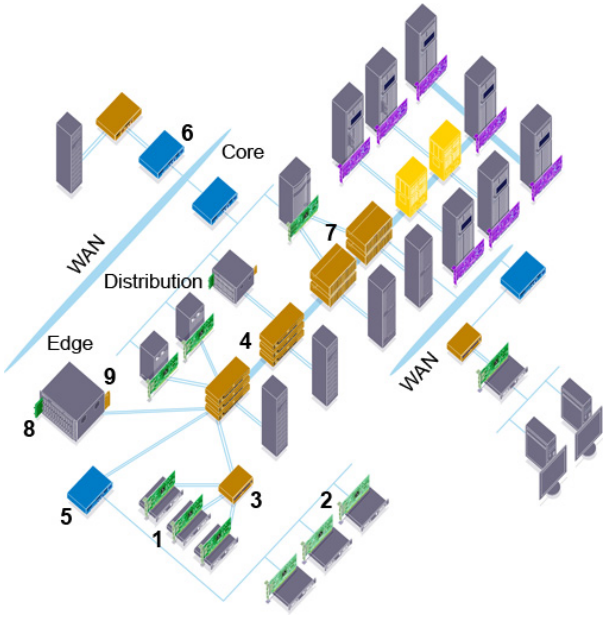
www.datacore.com

DataCore and the QLogic Platform

DataCore products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-159. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-159. DataCore and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



DataCore Software and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from DataCore.

- Table 2-160. DataCore Storage Server Software Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-161. DataCore Storage Server Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-160. DataCore Storage Server Software Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	DataCore Storage Server Software
HP FC1142SR (QLE2460-HP-SP) HP FC1242SR (QLE2462-HP-SP)	SANsymphony 6.0 SANmelody 2.0.1 update 5
HP StorageWorks 81Q (QLE2560-HP-SP) HP StorageWorks 82Q (QLE2562-HP-SP)	SANsymphony 6.0.3 SANmelody 2.0.4
QLA2200, QLA2202, QLA2204 QLA2300, QLA2310, QLA234*x*	SANsymphony 5.0 SANmelody 1.3
QLA246*x*	SANsymphony 5.2.5 HF8 SANmelody 2.0.1 update 4
QLE236*x*	SANsymphony 5.2.5 HF7 SANmelody 2.0.1
QLE246*x*	SANsymphony 5.2.5 HF8 SANmelody 2.0.1 update 4
QLE256*x*	SANsymphony 6.0.2 update 1 SANmelody 2.0.3
QMI3472	SANsymphony 6.0.2 update 1 SANmelody 2.0.3
QMI3572	SANsymphony 6.0.3 update 4 SANmelody 2.0.3 update 4

Source: DataCore 12/7/09

Qualified Fibre Channel HBAs in a Datacore Storage Server, December 7, 2009

Table 2-161. DataCore Storage Server Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch
SB140*x*
SB520*x*
SB560*x*
SB3810
SB580*x*V
SB9000
SB9008V

Source: DataCore 12/14/09

Qualified Fibre Channel Switches with Datacore Storage Servers, December 14, 2009

Dell

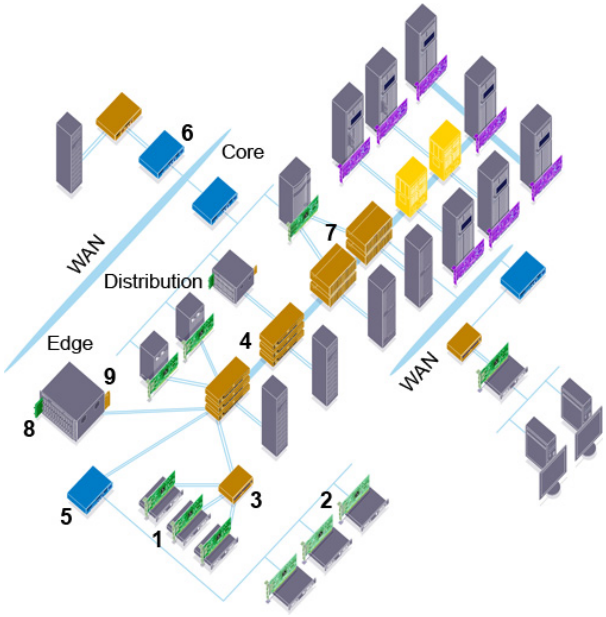
www.dell.com

Dell and the QLogic Platform

Dell products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-162. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-162. Dell and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



Dell and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Dell.

- Table 2-163. Dell Enterprise Solutions with QLogic Adapters and Switches Matrix
- Table 2-164. Dell Mid-Range Solutions with QLogic Adapters, Switches, and Routers Matrix
- Table 2-165. Dell Small Medium Business (SMB) Solutions with QLogic Adapters, Switches, and Routers Matrix
- Table 2-166. Dell Server and Storage Cluster Solutions Interoperability with QLogic Adapters Matrix
- Table 2-167. Dell Blade Server Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix
- Table 2-168. Dell EMC CLARiiON Interoperability with QLogic Adapters and Switches Matrix
- Table 2-169. Dell/EMC iSCSI TCP Offload Engine (TOE) Interoperability with QLogic iSCSI Adapters Matrix

Table 2-163. Dell Enterprise Solutions with QLogic Adapters and Switches Matrix

Storage	Operating Systems		QLogic Directors	QLogic Switches	QLogic Adapters
Dell/EMC CX3-80	Linux NetWare Solaris VMware Windows	8Gb		QLogic 5802V-08A	Dell QLE2560-DEL-SP Dell QLE2562-DEL-SP
		4Gb	EMC SB9100-16A-E EMC SB9200-32A-E	EMC SB5602-20A-E	EMC QLA2460-E-SP EMC QLA2462-E-SP EMC QLE2460-E-SP EMC QLE2462-E-SP
		2Gb			EMC QLA2340-E-SP EMC QLA2342-E-SP
		1Gb iSCSI	N/A	N/A	EMC QLE4060C-E-SP EMC QLE4062C-E-SP

Source: QLogic 7/30/08, 8/25/08

Dell SAN Solutions, QLogic Corporation. SN0054539-00 Rev A July 2008.

Additional updates.

Table 2-164. Dell Mid-Range Solutions with QLogic Adapters, Switches, and Routers Matrix

Storage	Operating Systems		QLogic Directors/Switches	QLogic Routers	QLogic Adapters
Dell/EMC CX3-10c, CX3-20, CX3-40	Linux NetWare Solaris VMware Windows	8Gb	QLogic 5802V-08A	N/A	Dell QLE2560-DEL-SP Dell QLE2562-DEL-SP
		4Gb	EMC SB9100-16A-E EMC SB9200-32A-E EMC SB1404-10AJ-E EMC SB5602-20A-E	N/A	EMC QLA2460-E-SP EMC QLA2462-E-SP EMC QLE2460-E-SP EMC QLE2462-E-SP
		2Gb		ISR-6142-E-SP (QLogic 6142)	EMC QLA2340-E-SP EMC QLA2342-E-SP
		1Gb iSCSI	N/A		EMC QLE4060C-E-SP EMC QLE4062C-E-SP

Source: QLogic 7/30/08, 8/25/08

Dell SAN Solutions, QLogic Corporation. SN0054539-00 Rev A July 2008.

Additional updates.

Table 2-165. Dell Small Medium Business (SMB) Solutions with QLogic Adapters, Switches, and Routers Matrix

Storage	Operating Systems		QLogic Switches	QLogic Routers	QLogic Adapters
Dell/EMC AX-Series, CX300	Linux NetWare Solaris VMware Windows	4Gb	EMC SB1404-10AJ-E EMC SB5602-20A-E	N/A	EMC QLE220-E-SP
		2Gb		ISR-6142-E-SP (QLogic 6142)	EMC QLA2340-E-SP EMC QLA2342-E-SP
		1Gb iSCSI	N/A		EMC QLE4060C-E-SP EMC QLE4062C-E-SP

Source: QLogic 7/30/08, 8/25/08

Dell SAN Solutions, QLogic Corporation. SN0054539-00 Rev A July 2008.

Additional updates.

Table 2-166. Dell Server and Storage Cluster Solutions Interoperability with QLogic Adapters Matrix

Model	Platform	QLogic Adapter	Storage Enclosure	Storage Requirements	Cluster Interconnect
PowerEdge Cluster FE500W-IA64	PowerEdge 7250	QLA2310-DEL-SP QLA2340-DEL-SP QLA2342-DEL-SP QLE2460-DEL-SP QLE2462-DEL-SP	Dell/EMC CX700, CX500, CX300	Dual Storage Processors (SPs), Dual Standby Power Supplies, at least 5 disks	Any Ethernet adapter supported by platform (use of a switch is optional)
PowerEdge Cluster FE500W [a]	PowerEdge 1650, 1750, 1850, 1855, 2500, 2550 2600, 2650, 2800, 2850, 4400, 4600, 6400, 6850, 8450	QLA2310-DEL-SP QLA2340-DEL-SP QLA2342-DEL-SP QLE2460-DEL-SP QLE2462-DEL-SP	Dell/EMC CX700, CX500, CX300	Dual Storage Processors (SPs), Dual Standby Power Supplies, at least 5 disks	Any Ethernet adapter supported by platform (use of a switch is optional)
PowerEdge Cluster FE400 [a]	PowerEdge 1550, 1650, 1750, 2500, 2550, 2600, 2650, 4400, 4600, 6400, 6450, 6600, 6650, 8450	QLA2310-DEL-SP QLA2340-DEL-SP QLA2342-DEL-SP QLE2460-DEL-SP QLE2462-DEL-SP	Dell/EMC CX600, CX400, CX200	Dual Storage Processors (SPs), Dual Standby Power Supplies, at least 5 disks	Any Ethernet adapter supported by platform (use of a switch is optional)
PowerEdge Cluster FE300 [b]	PowerEdge 1550, 1650, 2500, 2550, 2600, 2650, 4400, 4600, 6400, 6450, 6600, 6650, 8450	QLA2310-DEL-SP QLA2340-DEL-SP QLA2342-DEL-SP QLE2460-DEL-SP QLE2462-DEL-SP	Dell/EMC FC4500, FC4700-2	Dual Storage Processors (SPs), Dual Standby Power Supplies, at least 5 disks	Any Ethernet adapter supported by platform (use of a switch is optional)

Table Notes

[a] Windows 2003 Enterprise Edition and Windows 2000 Advanced Server SP4 or higher.

[b] Windows 2000 Advanced Server SP 4 only.

Source: Dell 8/7/06, 3/24/09

DELL Support Matrix. Simplified. 7/06. Host Bus Adapters. (QLogic Corporation); additional updates

Table 2-167. Dell Blade Server Interoperability with QLogic Blade Server Fibre Channel Adapters Matrix

Dell Blade Server	Dell Product	Dell Part Number	QLogic Part Number	Bus Type	Bus Speed	I/O Data Rate	Ports
PowerEdge 1855, 1955	Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers	CN040	QME2462	PCI Express	2.5 GHz	2Gb	Dual

Source: QLogic 8/14/07

Table 2-168. Dell EMC CLARiiON Interoperability with QLogic Adapters and Switches Matrix

Dell/EMC Storage	Operating System	QLogic Adapters	QLogic Switches
CX200 / CX300 / CX400 / CX500 / CX600 / CX700 Base Connectivity	NetWare	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)
	Red Hat Linux	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)
	Solaris	QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)
	SuSE Linux (32-Bit, 64-Bit)	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)
	VMware ESX	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)
	Windows 2000	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)

Table 2-168. Dell EMC CLARiiON Interoperability with QLogic Adapters and Switches Matrix (Continued)

Dell/EMC Storage	Operating System	QLogic Adapters	QLogic Switches
CX200 / CX300 / CX400 / CX500 / CX600 / CX700 Base Connectivity (Continued)	Windows 2003 (32-Bit, 64-Bit)	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400) EMC SB-520x-20A-E (520x 20-port) EMC SB-560x-20A-E (560x 20-port) Dell McDATA 4416 (6-port module)
	Windows NT	QLA2310-DEL-SP QLA2340-DEL-SP, QLA2342-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	
AX100 Single Host	NetWare Red Hat Linux SuSE Linux Windows 2000 Windows 2003 (32-Bit)	QLA2340-DEL-SP QLA2460-E-SP, QLA2462-E-SP QLE2460-DEL-SP, QLE2462-DEL-SP	EMC SB-1404-10AJ-E (1400)

Source: EMC Corporation 8/4/06

DELL Support Matrix. Simplified. 7/06. Host Bus Adapters. (QLogic Corporation)

Table 2-169. Dell/EMC iSCSI TCP Offload Engine (TOE) Interoperability with QLogic iSCSI Adapters Matrix

Dell/EMC Storage	Operating System	QLogic Adapter
CX300i / CX500i Platforms	NetWare Red Hat Linux Solaris SuSE Linux VMware Windows 2000 Windows 2003 (32-Bit, 64-Bit)	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP
AX100i Platforms	NetWare Red Hat Linux SuSE Linux Windows 2000 Windows 2003 (32-Bit)	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP

Source: EMC Corporation 8/2/06

DELL Support Matrix. Simplified. 7/06. Host Bus Adapters. (QLogic Corporation)

Dell EqualLogic

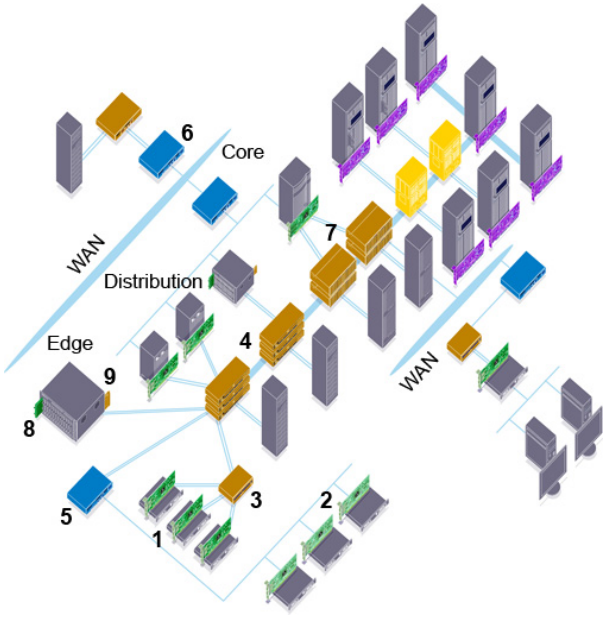
www.equallogic.com

Dell EqualLogic and the QLogic Platform

Dell EqualLogic products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-170. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-170. Dell EqualLogic and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Dell EqualLogic and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Dell EqualLogic.

- Table 2-171. Dell EqualLogic PS Series Arrays Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-172. Dell EqualLogic PS Series Arrays Interoperability with Vendor Products and QLogic iSCSI Adapters Matrix
- Table 2-173. Dell EqualLogic PS100E Storage Array Interoperability with QLogic Fibre Channel Adapters, Switches, and Routers Matrix

Table 2-171. Dell EqualLogic PS Series Arrays Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter
Windows 2000 Windows Server 2003 Solaris (SPARC) 8, 9 Red Hat Linux 8, 9 Red Hat Linux AS 2.1, 3.0 SUSE Linux SLSE 8	QLA4010 QLA4010C QLA4050 QLA4050C QLA4052C

Source: EqualLogic 9/7/06

Table 2-172. Dell EqualLogic PS Series Arrays Interoperability with Vendor Products and QLogic iSCSI Adapters Matrix

QLogic Adapter	Vendor	Vendor Product
QLA4010 QLA4010C QLA4050 QLA4050C QLA4052C	CommVault	QiNetix
	CA	BrightStor ArcServe Backup BrightStor ArcServe Backup Serverless Option
	EMC Legato	NetWorker
	Symantec/VERITAS	BackupExec for Windows Cluster Server for Linux Cluster Server for Solaris Database Edition for Solaris Database Edition for Windows NetBackup for Linux NetBackup for Solaris Volume Manager for Linux Volume Manager for Solaris

Source: EqualLogic, 9/7/06

Table 2-173. Dell EqualLogic PS100E Storage Array Interoperability with QLogic Fibre Channel Adapters, Switches, and Routers Matrix

Operating System	QLogic Adapter	QLogic Switch/Router	QLogic Router
Red Hat Linux AS 4.0	QLA4052C	SB140*x* SB9000	iSR6140 iSR6142
Windows 2003 R2	QLA4052C	SB9000	

Source: QLogic 4/18/07, 5/16/07

QLogic 4Gb LTO-3 Tape Drive Regression Testing, QLogic Network Certification Lab. November 2, 2006

QLogic NetApp VTL iSCSI Testing Report, QLogic Network Certification Lab. January 25, 2007

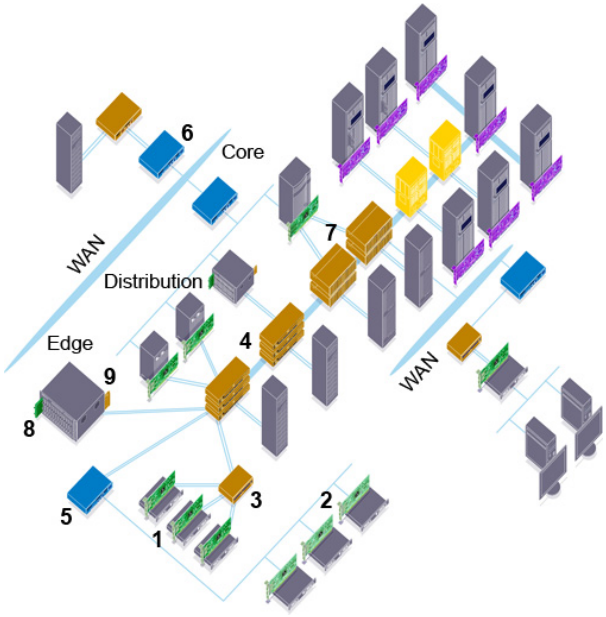
DNF

www.dnfcorp.com

DNF and the QLogic Platform

Dynamic Network Factory, Inc. (DNF) products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-174. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-174. DNF and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
✓	2 QL*x*40*xx* iSCSI Adapters	
✓	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
✓	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

DNF and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from DNF.

Table 2-175. DNF Storage Products Interoperability with QLogic Fibre Channel and iSCSI Adapters and Switches Matrix

DNF Storage Product	Operating System	QLogic Adapter	QLogic Switch
DataStor NAS/iSCSI Appliances IPBank L-Series iSCSI Appliances	Windows XP Pro SP2	QLA405*x*	SB520*x* SB560*x* SB9100*x*
	Windows Server 2003 SP1, SP2	QLA4010 QLA4010C	
	Windows Server 2003 R2 64-Bit Enterprise Edition	QLE4062C Dual Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)	
IPBank E-Series iSCSI Appliances	Windows 2000 SP4 Windows Server 2003	QLA4010 QLA4010C	SB520*x* SB560*x*
StorBankXL NAS+iSCSI Appliance	Linux Windows	QLA4010 QLA4010C	
Enterprise F8f RAID Enterprise F12f RAID Enterprise F24fz-HA RAID Enterprise FS12fz-HA RAID Enterprise FS16fz-HA RAID FibreMaster F16fz RAID FibreMaster F16fz-HA RAID SANgear 6002fsz RAID	Linux Mac OS X Solaris Windows	QLA246*x* QLE246*x*	SB1400 SB520*x* SB560*x*
Enterprise F16fz RAID Enterprise F24fz RAID Enterprise FS16fz RAID	Linux Mac OS X Solaris Windows	QLA234*x* QLA246*x* QLE246*x*	

Source: DNF 4/17/08; QLogic 7/8/08

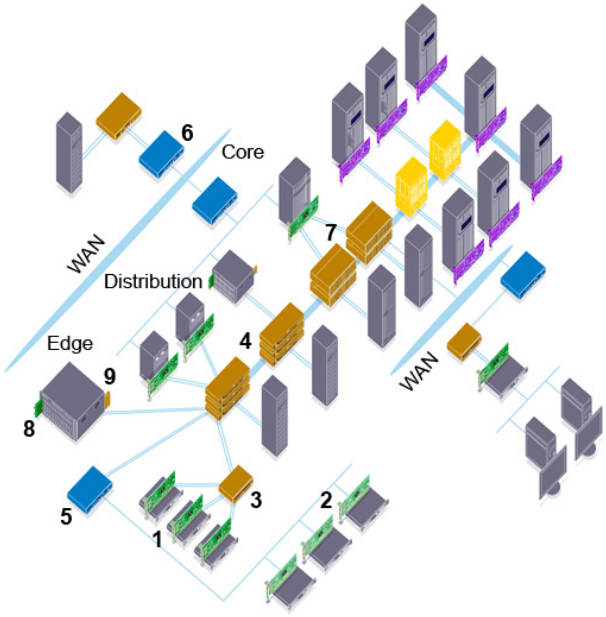
Dot Hill

www.dothill.com

Dot Hill and the QLogic Platform

Dot Hill Systems Corp. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-176. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-176. Dot Hill and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Dot Hill and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Dot Hill®.

- Table 2-177. Dot Hill 3000 (T100 Firmware) Storage Array Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-178. Dot Hill 3000 (T100 Firmware) Storage Array Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-179. Dot Hill 2730/2730T (J200 Firmware) Storage Array Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-180. Dot Hill 2730/2730T (J200 Firmware) Storage Array Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-177. Dot Hill 3000 (T100 Firmware) Storage Array Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	Operating System
QLA2340	SLES 11.1 (x64) RHEL 4.7, 4.8, 5.2, 5.3 SLES 10 SP2
QLA2342	SLES 11.1 (x64) RHEL 4.7, 4.8, 5.3 SLES 10 SP2
QLA2460	Windows 2003 (x64) Windows 2008: R2 (x64) Windows 2008 (IA64) RHEL 4.7, 4.8, 5.3 SLES 10 SP2
QLA2462	Windows 2003 (x64) Windows 2008 R2 (x64) Windows 2008 (IA64) SLES 11.1 (x64) RHEL 4.7, 4.8, 5.3 SLES 10 SP2
QLE2460	Windows 2003 (x64) Windows 2008 R2 (x64) RHEL 4.7, 4.8, 5.3 SLES 10 SP2

Table 2-177. Dot Hill 3000 (T100 Firmware) Storage Array Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	Operating System
QLE2462	Windows 2003 (x64) Windows 2008 R2 (x64) Windows 2008 (IA64) SLES 11.1 (x64) RHEL 4.7, 4.8, 5.3 SLES 10 SP2
QLE2560	Win 2003 (x64) Win 2008 R2 (x64) Win 2008 (IA64) SLES 10 SP2 SLES 11.1 (x64) RHEL 4.7, 4.8, 5.3
QLE2562	Win 2003 (x64) Win 2008 R2 (x64) Win 2008 (IA64) SLES 10 SP2 SLES 11.1 (x64) RHEL 4.7, 4.8, 5.3

Source: Dot Hill 12/24/09

Dot Hill 3000 T100 Interoperability Matrix, 12/24/09

Table 2-178. Dot Hill 3000 (T100 Firmware) Storage Array Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch	Firmware Version
HP StorageWorks 8/20q (SB3800)	6.9.015.0
SB5600	5.0.1.10.0

Source: Dot Hill 12/24/09

Dot Hill 3000 T100 Interoperability Matrix, 12/24/09

Table 2-179. Dot Hill 2730/2730T (J200 Firmware) Storage Array Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Adapter
Red Hat Linux 4.0, 5.0	QLA2462 QLE2462
Solaris 9 SPARC	QLE2462
Solaris 10 SPARC	QLA2462
SUSE Linux 9.0, 10.0	QLA2462 QLE2462
Windows 2003	QLA2340 QLA2342 QLA2462 QLE2462

Source: Dot Hill 3/27/08

Dot HIll 2730/2730T J200 Interoperability Matrix, February 16, 2008

Table 2-180. Dot Hill 2730/2730T (J200 Firmware) Storage Array Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch
SB520*x* SB560*x* SB9200

Source: Dot Hill 3/27/08

Dot HIll 2730/2730T J200 Interoperability Matrix, February 16, 2008

Egenera

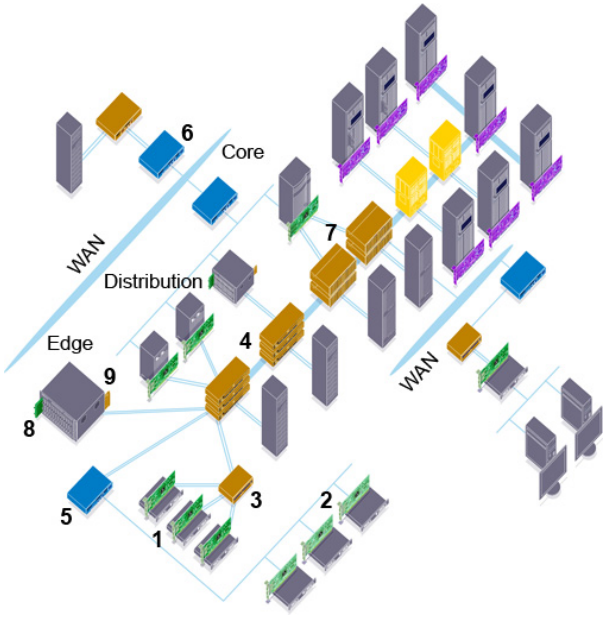
www.egenera.com

Egenera and the QLogic Platform

Egenera® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-181. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-181. Egenera and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



QLogic Technology Embedded in Egenera Products

Egenera relies on QLogic for its controller chips. The following interoperability information has been provide by or obtained from Egenera.

- Table 2-182. Egenera BladeFrame System Interoperability with QLogic Adapters Matrix
- Table 2-183. Egenera and QLogic Embedded Controller Chip Matrix

Table 2-182. Egenera BladeFrame System Interoperability with QLogic Adapters Matrix

BladeFrame System	QLogic Adapter	Processing Area Network (PAN) Control Software
cBlade EP	QLA2342	3.1.1, 3.2, 4.0

Source: Egenera, Inc. 8/3/05

Table 2-183. Egenera and QLogic Embedded Controller Chip Matrix

Egenera Product	QLogic Controller Chip	Processing Area Network (PAN) Control Software
cBlade ES	ISP2312	3.1, 3.1.1, 3.2, 4.0

Source: Egenera, Inc. 8/3/05

EMC

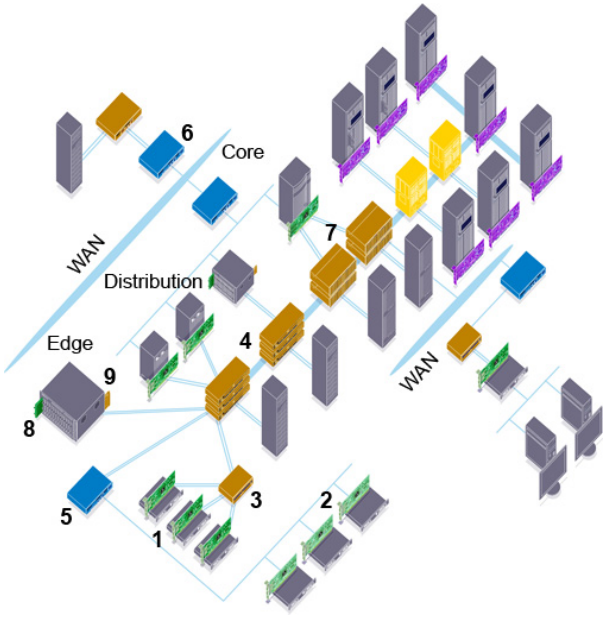
www.emc.com

EMC and the QLogic Platform

EMC products interoperate with QLogic network components as indicated by a checkmark in the Certified column of Table 2-184. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-184. EMC and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



EMC and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from EMC.

- Table 2-185. EMC Enterprise Solutions with QLogic Fibre Channel Adapters and Switches Matrix
- Table 2-186. EMC Mid-Range Solutions with QLogic Fibre Channel Adapters and Switches, iSCSI Adapters, and Routers Matrix
- Table 2-187. EMC Small Medium Business (SMB) Solutions with QLogic Fibre Channel Adapters and Switches, iSCSI Adapters, and Routers Matrix
- Table 2-188. EMC CLARiiON AX4 and AX5 Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-189. EMC CLARiiON AX150i Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix
- Table 2-191. EMC CLARiiON AX150 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix
- Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix
- Table 2-193. EMC CLARiiON CX3/CX4 Series iSCSI-to-Fibre Channel Routing Matrix
- Table 2-194. EMC CLARiiON CX3/CX4 Series Interoperability with QLogic iSCSI Adapters Matrix—Native iSCSI
- Table 2-195. EMC CLARiiON CX3/CX4 Series Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters
- Table 2-196. EMC Symmetrix DMX, DMX-2, DMX-3 and DMX-4 iSCSI-to-Fibre Channel Routing Matrix
- Table 2-197. EMC Symmetrix DMX, DMX-2, DMX-3 and DMX-4 Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix
- Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix
- Table 2-200. EMC Symmetrix V-Max iSCSI-to-Fibre Channel Routing Matrix
- Table 2-201. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—Native iSCSI

- Table 2-202. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters
- Table 2-203. EMC Celerra File Server Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-204. EMC Celerra Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters
- Table 2-205. EMC SAN Router—Edge Fabric Heterogeneity
- Table 2-206. EMC SAN Router Network Configuration and Application
- Table 2-207. iSCSI-to-Fibre Channel Routing

Table 2-185. EMC Enterprise Solutions with QLogic Fibre Channel Adapters and Switches Matrix

EMC Storage	Operating System		QLogic Switch	QLogic Adapter
EMC Symmetrix DMX	Linux NetWare Solaris VMware Windows	Fibre Channel	SB5800V-08A-E SB5802V-08A-E SB9100-0A-E SB9200-0A-E	QLE2560-E-SP QLE2562-E-SP
			SB5600-20A-E SB5602-20A-E SB9100-0A-E SB9100-16A-E SB9200-0A-E SB9200-32A-E	QLA2460-E-SP QLA2462-E-SP EMC QLE2460-E-SP QLE2462-E-SP
			SB5200-20A-E SB5202-20A-E	QLA2340-E-SP QLA2342-E-SP
		iSCSI	N/A	QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: QLogic 8/4/08

EMC Solutions, QLogic Corporation. OBMSL-E_LINE072808, July 28, 2008

Table 2-186. EMC Mid-Range Solutions with QLogic Fibre Channel Adapters and Switches, iSCSI Adapters, and Routers Matrix

EMC Storage	Operating System		QLogic Switch	QLogic Router	QLogic Adapter
EMC CLARiiON	Linux NetWare Solaris VMware Windows	Fibre Channel	SB9100-0A-E SB9200-0A-E SB5800V-08A-E SB5802V-08A-E	N/A	QLE2560-E-SP QLE2562-E-SP
			SB5602-20A-E	N/A	QLA2460-E-SP QLA2462-E-SP QLE2460-E-SP QLE2462-E-SP
			SB5200-20A-E SB5202-20A-E	ISR-6142-E	QLA2340-E-SP QLA2342-E-SP
	Linux NetWare Solaris VMware Windows	iSCSI	N/A	N/A	QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: QLogic 8/4/08

EMC Solutions, QLogic Corporation. OBMSL-E_LINE072808, July 28, 2008

For the following EMC tables, the current EMC interoperability support matrices can be downloaded from http://www.emc.com/products/interoperability/.

Table 2-187. EMC Small Medium Business (SMB) Solutions with QLogic Fibre Channel Adapters and Switches, iSCSI Adapters, and Routers Matrix

EMC Storage	Operating System		QLogic Switch	QLogic Router	QLogic Adapter
EMC AX Series	Linux NetWare Solaris VMware Windows	Fibre Channel	SB9100-0A-E SB9200-0A-E SB5800V-08A-E SB5802V-08A-E SB3810-08A-E SB3810-08A8-E	N/A	QLE2560-E-SP QLE2562-E-SP
			SB1404-10AJ-E SB5602-20A-E	N/A	QLA2460-E-SP QLA2462-E-SP QLE2460-E-SP QLE2462-E-SP
			SB5200-20A-E SB5202-20A-E	ISR-6142-E	QLA2340-E-SP QLA2342-E-SP
		iSCSI	N/A	N/A	QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: QLogic 8/4/08

EMC Solutions, QLogic Corporation. OBMSL-E_LINE072808, July 28, 2008

Table 2-188. EMC CLARiiON AX4 and AX5 Interoperability with QLogic iSCSI Adapters Matrix

	Operating System	QLogic Adapter
Native iSCSI	Asianux	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Red Hat Enterprise Linux	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	SUSE SLES	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2000	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2008	QLA4050-E-SP QLA4050C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Table 2-188. EMC CLARiiON AX4 and AX5 Interoperability with QLogic iSCSI Adapters Matrix (Continued)

	Operating System	QLogic Adapter
iSCSI Clusters	Red Hat Enterprise Linux	QLA4010-E-SP QLA4010C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2008	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: EMC 11/18/08

EMC Support Matrix, November 2008. P/N 300-000-166, ECO 63396 Rev B89

Table 2-189. EMC CLARiiON AX150i Interoperability with QLogic iSCSI Adapters Matrix

	Operating System	QLogic Adapter
Native iSCSI	Asianux	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Oracle Enterprise Linux Red Hat Enterprise Linux SUSE SLES	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	VMware ESX Server	QLA4050C-E-SP QLA4052C-E-SP
	Windows 2000	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)

Table 2-189. EMC CLARiiON AX150i Interoperability with QLogic iSCSI Adapters Matrix (Continued)

	Operating System	QLogic Adapter
iSCSI Clusters	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2008	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: EMC 11/18/08

EMC Support Matrix, November 2008. P/N 300-000-166, ECO 63396 Rev B89

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Red Hat Enterprise Linux (32-Bit) Red Hat Enterprise Linux (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B3, DS-220B, DS-24M2, DS-300B,DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4500, Intrepid 10000, ES-4400, ES-4700 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E17, SB9200-00A-E

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft® Windows 2000 Advanced Server SP4, Datacenter SP4, Powered Server Appliance Kit SP4, Server SP4	McDATA: ES-4400, ES-4700 Brocade: 12000, 200E, 24000, 3004, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 78007, DCX-4S, DCX, Encryption Switch EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B14, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4500, Intrepid 10000 QLogic: SB1404-10AJ-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513
	Windows 2003 (IA64) Windows 2008 (IA64)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 951 EMC Connectrix: 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL; DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2003 (x64) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64)	Brocade: 205E, 207E, 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: 3250-VL2E, DS220B-FF-D, DS8B2-0DL, DS-4400M, DS-4700M, DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4300, ES-4400, ES-4700, ED-6064, ED-6140, ES-3232, ES-4500, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E. SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2003 (x86) Microsoft Windows 2008 (x86)	Brocade: 12000, 200E, 205E, 207E, 24000, 3001, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B2, DS-16B3, DS-220B, DS-220B-FF-D, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B2-0DL, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, 3250-VL2E McDATA: ED-6064, ED-6140, ES-3232, ES-4500, Intrepid 10000, ES-4300, ES-4400, ES-4700 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Sun Solaris 10	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E26, SB3810-08A8-E26, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Sun Solaris x86	Brocade: 200E, 3002, 12000, 24000, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-24M2, DS-32B2, DS-32M, DS-4400M, DS-4700M, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-64M, DS-220B, DS-300B, DS-4100B, S-4900B, DS-5000B, DS-5100B, DS-5300B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064 ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	VMware ESX VMware ESXi	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 53004, 750022, 24, 78004, DCX-4S4, DCX4, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-32M2, ED-64M, ED-140M, DS-300B, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-24000B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232; ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
IBM QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/ 44X1947/44X1948)	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade:10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers as Access Gateway (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers as Access Gateway (32R1812/32R1820), 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1904/32R1910), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6724), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch
IBM QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948) (*Continued*)	Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), Entry SAN Switch Module for IBM BladeCenter Servers (26K5601) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1905/32R1911), 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836), 6-Port Switch Module for IBM BladeCenter Servers (32R1790) QLogic: 2-Port Switch Module for IBM BladeCenter Servers (48P7062), 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (26R0881/26R0888), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W67255), 4Gb Intelligent Pass-thru Module for IBM BladeCenter (43W6723), 6-Port Switch Module for IBM BladeCenter Servers (26K6477/26K6481), 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	SUSE SLES (32-Bit) SUSE SLES (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) QLogic: 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	VMware ESX VMware ESXi	QLogic: 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch
Hewlett Packard® QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	Microsoft Windows 2000	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode, MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett Packard: HP 4Gb Fibre Channel Pass−Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Microsoft Windows 2003 (x64)	Brocade: 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Microsoft Windows 2003 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A) Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch
Hewlett Packard QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	Oracle Enterprise Linux (32-Bit) Oracle Enterprise Linux (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Sun Solaris10 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	VMware ESX 4.0, EXSi 4.0	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
Dell QME2572	Microsoft Windows 2003 (x64), (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86) Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64) VMware ESX VMware ESXi	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424) Dell: Optical Pass-thru Module (PT1016)
	Oracle Enterprise Linux (x64)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424)

Table 2-190. EMC CLARiiON AX4-5 Product Interoperability with QLogic 8Gb Fibre Channel Adapters and Switches Matrix (Continued)

QLogic Adapter	Operating System	Switch

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EMC Support Matrix esm by OS January 2010 P/N 300-000-166 ECO 70955 Rev C05

EMC Support Matrix CLARiiON AX4−5 Series January 2010 P/N 300-000-166 ECO 70955 Rev C05

Table 2-191. EMC CLARiiON AX150 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86)	Brocade: 200E, 205E, 207E, 4100, 48000, 4900, 5000, 75005 EMC Connectrix: DS-220B, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, ED-48000B, 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL McDATA: ES-4300, ES-4400, ES-4700 QLogic: SB1404-10AJ-E, SB3050-08A-E
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 205E, 207E, 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-220B-FF-D, 3250-VL2E, DS-8B2-0DL McDATA: ES-4300, ES-4400, ES-4700, ED-6064, ED-6140, ES-3232, ES-4500, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, ESB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 200E, 205E, 207E, 4100, 48000, 4900, 5000, 7500 EMC Connectrix: 3250-VL2E, DS-220B, DS-220B-FF-D, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-8B2-0DL, ED-48000B McDATA: ES-4300, ES-4400, ES-4700 QLogic: SB1404-10AJ-E, SB3050-08A-E
	VMware ESX VMware ESXi	Brocade: 200E, 205E, 207E, 4100, 48000, 4900, 5000, 7500 EMC Connectrix: 3250-VL2E, DS-220B, DS-220B-FF-D, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-8B2-0DL, ED-48000B McDATA: ES-4300, ES-4400, ES-4700 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB3810-08A-E, SB3810-08A8-E

Table 2-191. EMC CLARiiON AX150 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
IBM QLogic 8Gb Fibre Channel Expansion Card (CIOv,44X1945/ 44X1947/44X1948)	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920)15 QLogic: 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
IBM QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44 X1948)	Microsoft Windows 2008 R2 (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), IBM QLogic 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	Microsoft Windows 2008 (x64)	Brocade: 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), IBM QLogic 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	Microsoft Windows 2008 (x86)	Brocade: 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), IBM QLogic 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-191. EMC CLARiiON AX150 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948)	Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Brocade: 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) QLogic: 4Gb Intelligent Pass-thru Module for IBM BladeCenter (43W6723), 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
HP: QMH2562 8Gb	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, Cisco MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode, Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Oracle Enterprise Linux (32-Bit) Oracle Enterprise Linux (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
Dell: QME2572 8Gb	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86) Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64) VMware ESX VMware ESXi	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424) Dell: Optical Pass-thru Module (PT1016)

Table 2-191. EMC CLARiiON AX150 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
Dell QME2572 8Gb	Oracle Enterprise Linux (x64)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424)

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Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Solaris (Fujitsu Siemens Computers)	Brocade: 3200, 3800, 3900 Cisco MDS: 9020/9Q20 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2000	Brocade: 12000, 200E, 24000, 300, 3200,3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4400, ES-4700, ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2003 (IA64)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-300B, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-12000B, ED-24000B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-16B2, DS-24M2, DS-32B2, DS-32M2, DS-4400M, DS-4700M, DS-8B2, ED-10000M, ED-140M, ED-64M McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2003 (x64)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL McDATA: ES-4300, ES-4400, ES-4700, ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2003 (x86)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, DS-4400M, DS-4700M, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-220B-FF-D, 3250-VL2E, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2008 R2 (IA64)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-43002, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, B5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2008 R2 (x64)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-220B-FF-D, 3250-VL2E, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2008 (IA64)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B22, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2008 (x64)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-220B-FF-D, 3250-VL2E, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E,SB9200-00A-E
	Microsoft Windows 2008 (x86)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-220B-FF-D, 3250-VL2E, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Red Hat RHEL (32-Bit)	Brocade: 12000, 200E, 24000, 3250, 3850, 4100, 48000, 4900, 5000, 7500, 300, 5100, 5300, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B3, DS-220B, DS-24M2, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, DS-300B, DS 5100B, DS-5300B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4400, ES-4700, ED-6064, ED-6140, ES-3232, ES-4500, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5800V-08A-E, SB5802V-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB9100-00A-E, SB9200-00A-E
	Red Hat RHEL (x64)	Brocade: 12000, 200E, 24000, 3250, 3850, 4100, 48000, 4900, 5000, 7500, 300, 5100, 5300, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000, DS-300B, DS-5100B, DS-5300B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	SUSE SLES (32-Bit)	Brocade: 12000, 200E, 24000, 3250, 3850, 4100, 48000, 4900, 5000, 7500, 300, 5100, 5300, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, DS-300B, DS-5100B, DS-5300B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
EMC QLE2560-E-SP EMC QLE2562-E-SP	SUSE SLES (IA64)	Brocade: 12000, 200E, 24000, 3250, 3850, 4100, 48000, 4900, 5000, 7500, 300, 5100, 5300, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-32M2, ED-140M, ED-64M, DS-16B3, DS-220B, DS-24M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-8B3, ED-10000M, ED-12000B, ED-24000B, ED-48000B, DS-300B, DS-5100B, DS-5300B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, McDATA: ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	SUSE SLES (x64)	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 7500, 300, 5100, 5300, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, DS-300B, DS-5100B, DS-5300B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Sun Solaris 10	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B,DS-32B2, DS-32M2,DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 1000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
EMC QLE2560-E-SP EMC QLE2562-E-SP	Sun Solaris x86	Brocade: 200E, 300, 12000, 24000, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-220B, DS-300B, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-16B2, DS-16B3, DS-24M2, DS-32B2, DS-32M2, DS-4400M, DS-4700M, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-64M McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	VMware ESX	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	VMware ESXi	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-32M2, ED-140M, ED-64M, DS-300B, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-24000B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4400, ES-4500, ES-4700, ED-6064, ED-6140, ES-3232, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948)	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers as Access Gateway (32R1813/32R1821), 20-Port: 4Gb SAN Switch Module for IBM BladeCenter Servers as Access Gateway (32R1812/32R1820) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6724)53, 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921)94, 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828)94, 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), Entry SAN Switch Module for IBM BladeCenter Servers (26K5601) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1905/32R1911), 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836), 6-Port Switch Module for IBM BladeCenter Servers (32R1790) QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907), 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), 2-Port Switch Module for IBM BladeCenter Servers (48P7062), 20-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (26R0881/26R0888), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 4Gb Intelligent Pass-thru Module for IBM BladeCenter (43W6723), 6-Port Switch Module for IBM BladeCenter Servers (26K6477/26K6481)
	SUSE SLES (32-Bit) SUSE SLES (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	Hewlett Packard HP-UX	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem (AE370A), 4/24 SAN Switch for HP c-Class BladeSystem (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Microsoft Windows 2000 Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), Hewlett Packard Brocade 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Oracle Enterprise Linux (32-Bit) Oracle Enterprise Linux (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64) Sun Solaris x86	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	VMware ESX VMware ESXi	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem, 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)

Table 2-192. EMC CLARiiON CX3/CX4 Series Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
Dell: QME2572 8Gb	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424) Dell: Optical Pass-thru Module (PT1016)
	Oracle Enterprise Linux (x64)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424) Dell: Optical Pass-thru Module (PT1016)
	VMware ESX VMware ESXi	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424) Dell: Optical Pass-thru Module (PT1016)

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Table 2-193. EMC CLARiiON CX3/CX4 Series iSCSI-to-Fibre Channel Routing Matrix

QLogic Adapter	Operating System	QLogic Router
iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP	Microsoft Windows 2000	QLogic iSR6250
QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP	Microsoft Windows 2003 (x64)	iSR6250
iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP	Microsoft Windows 2003 (x86)	iSR6250
QLA4010-E-SP QLA4010C-E-SP	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (x64)	iSR6250

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Table 2-194. EMC CLARiiON CX3/CX4 Series Interoperability with QLogic iSCSI Adapters Matrix—Native iSCSI

	Operating System	QLogic Adapter
Native iSCSI	Asianux AX (32-Bit) Asianux AX (x64)	iSCSI Expansion Card for IBM BladeCenter (26K6487), QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP
	Asianux AX (AMD64) Asianux AX (EM64T)	QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP
	Microsoft Windows 2000	iSCSI Expansion Card for IBM BladeCenter (26K6487), QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP
	Microsoft Windows 2003 (x64)	QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP, QLE4060C-E-SP, QLE4062C-E-SP
	Microsoft Windows 2003 (x86)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21), iSCSI Expansion Card for IBM BladeCenter (26K6487), QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP, QLE4060C-E-SP, QLE4062C-E-SP
	Microsoft Windows 2003 (x64)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21)
	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21), QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP, QLE4060C-E-SP, QLE4062C-E-SP
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21), iSCSI Expansion Card for IBM BladeCenter (26K6487), QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP, QLE4060C-E-SP, QLE4062C-E-SP
	Red Hat RHEL (AMD-64), Red Hat RHEL (EM64T)	iSCSI Expansion Card for IBM BladeCenter (26K6487), QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP
Native iSCSI	SUSE SLES (32-Bit) SUSE SLES (x64)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21), iSCSI Expansion Card for IBM BladeCenter (26K6487), QLA4010-E-SP, QLA4010C-E-SP, QLA4050-E-SP, QLA4050C-E-SP, QLA4052C-E-SP, QLE4060C-E-SP, QLE4062C-E-SP
	VMware ESX VMware ESXi	QLA4050C-E-SP, QLA4052C-E-SP, QLE4060C-E-SP, QLE4062C-E-SP

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Table 2-195. EMC CLARiiON CX3/CX4 Series Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters

Operating System	Cluster Software	QLogic Adapter
Microsoft Windows 2003 (x64)	Microsoft MSCS	QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Microsoft Windows 2003 (x86)	Microsoft MSCS	iSCSI Expansion Card for IBM Blade-Center (26K6487) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Microsoft Windows 2008 R2 (IA64) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (IA64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Microsoft Failover Clustering	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Red Hat global file system (GFS) 6.1 Red Hat Cluster Suite 4.0	iSCSI Expansion Card for IBM Blade-Center (26K6487) QLA4010-E-SP QLA4010C-E-SP

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Table 2-196. EMC Symmetrix DMX, DMX-2, DMX-3 and DMX-4 iSCSI-to-Fibre Channel Routing Matrix

Operating System	QLogic Adapter
Red Hat Enterprise Linux	QLA4010-E-SP QLA4010C-E-SP

Table 2-196. EMC Symmetrix DMX, DMX-2, DMX-3 and DMX-4 iSCSI-to-Fibre Channel Routing Matrix (Continued)

Windows 2000 Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)

Source: EMC 11/18/08

EMC Support Matrix, November 2008. P/N 300-000-166, ECO 63396 Rev B89

Table 2-197. EMC Symmetrix DMX, DMX-2, DMX-3 and DMX-4 Interoperability with QLogic iSCSI Adapters Matrix

	Operating System	QLogic Adapter
Native iSCSI	Asianux Oracle Enterprise Linux Red Hat Enterprise Linux SUSE SLES	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2000	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2008	QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Table 2-197. EMC Symmetrix DMX, DMX-2, DMX-3 and DMX-4 Interoperability with QLogic iSCSI Adapters Matrix (Continued)

	Operating System	QLogic Adapter
iSCSI Clusters	Red Hat Enterprise Linux	QLA4010-E-SP QLA4010C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2008	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: EMC 11/18/08

EMC Support Matrix, November 2008. P/N 300-000-166, ECO 63396 Rev B89

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix

Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Fujitsu Ltd. Solaris 10	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch, 3200, 3800, 3900 Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB9100-00A-E9, SB9200-00A-E
	Microsoft Windows 2000 Microsoft Windows 2003 (IA64) Microsoft Windows 2008 R2 (IA64) Microsoft Windows 2008 (IA64)	Brocade: 12000, 24000, 3200, 3250, 3800, 3850, 3900, 200E, 300, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-24M2, DS-32B2, DS-4400M, DS-4700M, DS-8B2, DS-8B3, ED-12000B, ED-24000B, DS-220B, DS-300B, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, ED-10000M, ED-140M, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4300, ES-4400, ES-4500, ES-4700, D-6064, ED-6140, ES-3232, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Microsoft Windows 2003 (x64) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2003 (x64)	Brocade: 205E, 207E, 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2003 (x86)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2008 (x86)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00AE, SB9200-00A-E

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
EMC QLE2560-E-SP EMC QLE2562-E-SP	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4400, ES-4700, ED-6064, ED-6140, ES-3232, ES-4500, Intrepid 10000 QLogic: SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Sun Solaris 10	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Sun Solaris (X86)	Brocade: 200E, 300, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch, 12000, 24000, 3200, 3250, 3800, 3850, 3900 Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-220B, DS-300B, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-16B2, DS-16B3, DS-24M2, DS-32B2, DS-32M2, DS-4400M, DS-4700M, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-64M McDATA: ED-606, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
EMC QLE2560-E-SP EMC QLE2562-E-SP	VMware ESX VMware ESXi	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948)	Microsoft Windows 2003 (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6724), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	Microsoft Windows 2003 (x86)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6724), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948)	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284)41, 42, 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6724)35, 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), Entry SAN Switch Module for IBM BladeCenter Servers (26K5601) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284)5, 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280)5 McDATA: 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1905/32R1911), 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836), 6-Port Switch Module for IBM BladeCenter Servers (32R1790) QLogic: 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907), 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), 2-Port Switch Module for IBM BladeCenter Servers (48P7062), 20-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (26R0881/26R0888), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 4Gb Intelligent Pass-thru Module for IBM BladeCenter (43W6723), 6-Port Switch Module for IBM BladeCenter Servers (26K6477/26K6481)
	SUSE SLES (32-Bit)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) QLogic: 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	SUSE SLES (IA64)	QLogic: 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948) (*Continued*)	SUSE SLES (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	VMware ESX VMware ESXi	QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	Hewlett Packard HP-UX	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem (AE370A), 4/24 SAN Switch for HP c-Class BladeSystem (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Fibre Channel Pass−Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Microsoft Windows 2000	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem: as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem: as Access Gateway (AE372A) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode, Cisco MDS9124e SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Microsoft Windows 2003 (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), Brocade 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway, HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, Cisco MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	Microsoft Windows 2003 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, Cisco MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Oracle Enterprise Linux (32-Bit) Oracle Enterprise Linux (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Sun Solaris x86	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21) (*Continued*)	VMware ESX	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem, 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, Cisco MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	VMware ESXi	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), Hewlett Packard Brocade 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway, 8Gb SAN Switch for HP c-Class BladeSystem Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)

Table 2-198. EMC Symmetrix DMX-3 / DMX-4 Product Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Adapter	Operating System	Switch
Dell: QME2572 8Gb QLogic Adapter	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 208 (x86) Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64) VMware ESX VMware ESXi	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424) Dell: Optical Pass-thru Module (PT1016)
	Oracle Enterprise Linux (x64)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424)

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EMC Support Matrix CLARiiON AX4−5 Series January 2010 P/N 300-000-166 ECO 70955 Rev C05

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP	Fujitsu Ltd. Solaris 10	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 951 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6064, ED-6140, ED-6140, ES-3232, ES-323, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2000 Microsoft Windows 2003 (IA64) Microsoft Windows 2008 R2 (IA64) Microsoft Windows 2008 (IA64)	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch, 3200, 3800 Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-300B, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3,ED-12000B, ED-24000B, ED-48000B, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, DS-16B2, DS-24M2, DS-32B2, DS-32M2, DS-4400M, DS-4700M, DS-8B2, ED-10000M, ED-140M, ED-64M McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Microsoft Windows 2003 (x64) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64)	Brocade: 12000, 200E, 205E, 207E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP (*Continued*)	Microsoft Windows 2003 (x86)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX, DCX-4S, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Windows 2008 (x86)	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B, 3250-VL2E, DS-220B-FF-D, DS-8B2-0DL McDATA: ED-6064, ED-6140, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
QLE2560-E-SP QLE2562-E-SP (*Continued*)	Sun Solaris 10 Sun Solaris x86	Brocade: 12000, 200E, 24000, 300, 3200, 3250, 3800, 3850, 3900, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-16B2, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32B2, DS-32M2, DS-4100B, DS-4400M, DS-4700M, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B2, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ED-6064, ED-6140, ES-3232, ES-4400, ES-4500, ES-4700, Intrepid 10000 QLogic: SB1404-10AJ-E, SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
	VMware ESX VMware ESXi	Brocade: 12000, 200E, 24000, 300, 3250, 3850, 4100, 48000, 4900, 5000, 5100, 5300, 7500, 7800, DCX-4S, DCX, Encryption Switch Cisco MDS: 9020/9Q20, 9120, 9124, 9134, 9140, 9216, 9216A, 9216i, 9222i, 9506, 9509, 9513 EMC Connectrix: DS-4400M, DS-4700M, DS-16B3, DS-220B, DS-24M2, DS-300B, DS-32M2, DS-4100B, DS-4900B, DS-5000B, DS-5100B, DS-5300B, DS-8B3, ED-10000M, ED-12000B, ED-140M, ED-24000B, ED-48000B, ED-64M, ED-DCX-4S-B, ED-DCX-B, ES-5832B, MP-7800B McDATA: ES-4400, ES-4700, ED-606, ED-6140, ES-3232, ES-4500, Intrepid 10000 QLogic: SB3810-08A-E, SB3810-08A8-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E, SB5800V-08A-E, SB5802V-08A-E, SB9100-00A-E, SB9200-00A-E
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948)	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1813/32R1821)5, 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers as Access Gateway (32R1813/32R1821), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers as Access Gateway (32R1812/32R1820) Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284), 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) McDATA: 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836) QLogic: 10-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), 10-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6724), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
IBM: QLogic 8Gb Fibre Channel Expansion Card (CIOv, 44X1945/44X1947/44X1948) (*Continued*)	Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828), 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (32R1812/32R1820), Entry SAN Switch Module for IBM BladeCenter Servers (26K5601) IBM Cisco: 10-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9284)14, 20-Port 4Gb SAN Switch Module for IBM BladeCenter (39Y9280) IBM McDATA: 10-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1905/32R1911), 20-Port 4Gb FC Switch Module for IBM BladeCenter Servers (32R1833/32R1836), 6-Port Switch Module for IBM BladeCenter Servers (32R1790) QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907), 10-Port 4Gb: Fibre Channel Switch Module for IBM BladeCenter Servers (32R1904/32R1910), SAN Switch Module for IBM BladeCenter Servers (43W6724), 2-Port Switch Module for IBM BladeCenter Servers (48P7062), 20-Port 4Gb Fibre Channel Switch Module for IBM BladeCenter Servers (26R0881/26R0888), 20-Port 4Gb SAN Switch Module for IBM BladeCenter Servers (43W6725), 4Gb Intelligent Pass-thru Module for IBM
	SUSE SLES (32-Bit) SUSE SLES (x64)	Brocade: 10-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1921), 20-Port 8Gb Enterprise SAN Switch Module for IBM BladeCenter Servers (42C1828)62, 20-Port 8Gb SAN Switch Module for IBM BladeCenter Servers (44X1920) QLogic: 20-Port 8Gb SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	SUSE SLES (IA64)	QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)
	VMware ESX VMware ESXi	QLogic: 8Gb 20-Port SAN Switch Module (44X1905), 8Gb Intelligent Pass-thru Switch Module (44X1907)

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21)	Hewlett Packard HP-UX	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem (AE370A)8, 4/24 SAN Switch for HP c-Class BladeSystem (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Microsoft Windows 2000	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A) Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Microsoft Windows 2003 (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Microsoft Windows 2003 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
HP: QLogic QMH2562 8Gb Fibre Channel Host Bus Adapter for HP c-Class BladeSystem (451871-B21) (*Continued*)	Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem, 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21), HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21)
	Oracle Enterprise Linux (32-Bit) Oracle Enterprise Linux (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64)	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	Sun Solaris x86	Brocade: 8Gb SAN Switch for HP c-Class BladeSystem Hewlett-Packard: HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)
	VMware ESX VMware ESXi	Brocade: 4/12 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE370A), 4/24 SAN Switch Power Pack for HP c-Class BladeSystem as Access Gateway (AE371A), 4/24 SAN Switch for HP c-Class BladeSystem as Access Gateway (AE372A), 8Gb SAN Switch for HP c-Class BladeSystem, 8Gb SAN Switch for HP c-class BladeSystem as Access Gateway Cisco: MDS9124e SAN Switch for HP c-Class BladeSystem, MDS9124e SAN Switch for HP c-Class BladeSystem—NPV Mode Hewlett-Packard: HP 4Gb Fibre Channel Pass-Thru Module for c-Class BladeSystem (403626-B21), HP 4Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (409513-B21), HP 8Gb Virtual Connect Fibre Channel Module for c-Class BladeSystem (466482-B21)

Table 2-199. EMC Symmetrix V-Max Product Interoperability (Fibre Channel Connectivity) with QLogic 8Gb Adapters Matrix (Continued)

QLogic Adapter	Operating System	Switch
Dell: QME2572 8Gb QLogic Adapter	Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86) Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (IA64) SUSE SLES (x64) VMware ESX VMware ESXi	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024) (SW5424) Dell: Optical Pass-thru Module (PT1016)
	Oracle Enterprise Linux (x64)	Brocade: 4Gb FC Switch Module (SW4424), 8Gb FC Switch Module (M8024)(SW5424)

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Table 2-200. EMC Symmetrix V-Max iSCSI-to-Fibre Channel Routing Matrix

Operating System	QLogic Adapter
Microsoft Windows 2000 Microsoft Windows 2003 (x64)	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
Microsoft Windows 2003 (x86)	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
Red Hat RHEL (32-Bit)	QLA4010-E-SP QLA4010C-E-SP

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Table 2-201. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—Native iSCSI

Operating System	QLogic Adapter
Asianux AX (32-Bit) Asianux AX (AMD64) Asianux AX (EM64T) Asianux AX (x64)	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
Microsoft Windows 2000	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP

Table 2-201. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—Native iSCSI (Continued)

Operating System	QLogic Adapter
Microsoft Windows 2003 (x64)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Microsoft Windows 2003 (x86)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21) iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Oracle Enterprise Linux (32-Bit) Oracle Enterprise Linux (x64)	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
Red Hat RHEL (32-Bit) SUSE SLES (32-Bit) SUSE SLES (x64)	QMH4062 1GbE iSCSI HBA for HP c-Class BladeSystem (488074-B21) iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Table 2-201. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—Native iSCSI (Continued)

Operating System	QLogic Adapter
Red Hat RHEL (AMD-64) Red Hat RHEL (EM64T)	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
Red Hat RHEL (x64)	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
VMware ESX VMware ESXi	QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

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Table 2-202. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters

Operating System	Cluster Software	QLogic Adapter
Microsoft Windows 2003 (x64)	Microsoft MSCS	QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Microsoft Windows 2003 (x86)	Microsoft MSCS	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Table 2-202. EMC Symmetrix V-Max Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters (Continued)

Operating System	Cluster Software	QLogic Adapter
Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Microsoft Failover Clustering	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP
Red Hat RHEL (32-Bit) Red Hat RHEL (x64)	Red Hat: global file system (GFS) 6.1 Red Hat Cluster Suite 4.0	iSCSI Expansion Card for IBM BladeCenter (26K6487) QLA4010-E-SP QLA4010C-E-SP

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Table 2-203. EMC Celerra File Server Interoperability with QLogic iSCSI Adapters Matrix

	Operating System	QLogic Adapter
NAS Platform iSCSI	Red Hat Enterprise Linux	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
	SUSE SLES VMware ESX	QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
	Windows 2000 Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP SCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
Path Management Software – NAS	Red Hat Enterprise Linux Windows 2003	QLA4010-E-SP QLA4010C-E-SP

Table 2-203. EMC Celerra File Server Interoperability with QLogic iSCSI Adapters Matrix (Continued)

	Operating System	QLogic Adapter
Replication Manager NAS Solutions	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP
iSCSI Clusters	Windows 2003	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP iSCSI Expansion Card for IBM BladeCenter (26K6487) (QMC4052)
	Windows 2008	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Source: EMC 11/18/08; *EMC Support Matrix*, November 2008. P/N 300-000-166, ECO 63396 Rev B89

Table 2-204. EMC Celerra Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters

Operating System	Cluster Software	Adapter
Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86)	Microsoft MSCS	QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

Table 2-204. EMC Celerra Interoperability with QLogic iSCSI Adapters Matrix—iSCSI Clusters (Continued)

Operating System	Cluster Software	Adapter
Microsoft Windows 2008 R2 (IA64) Microsoft Windows 2008 R2 (x64) Microsoft Windows 2008 (IA64) Microsoft Windows 2008 (x64) Microsoft Windows 2008 (x86)	Microsoft Failover Clustering	QLA4010-E-SP QLA4010C-E-SP QLA4050-E-SP QLA4050C-E-SP QLA4052C-E-SP QLE4060C-E-SP QLE4062C-E-SP

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Table 2-205. EMC SAN Router—Edge Fabric Heterogeneity

QLogic Router	Switch	Management Application
iSR6142	Brocade: 12000, 200E, 205E, 207E, 24000, 3250, 3850, 3900, 300, 4100, 48000, 4900, 5000, 5100, 5300, DS-220B-FF-D Cisco: MDS 9120, 9140, 9216, 9216i, 9124, 9134, 9222i, 9506, 9509, 9513 EMC Connectrix: ED-12000B, DS-16B3, DS-32B2, DS-8B3, ED-24000B, DS-4100B, ED-48000B, DS-24M2, DS-4400M, DS-4700M McDATA: ES-4400, ES-4500, ES-4700 QLogic: SB1404-10AJ-E, SB3050-08A-E, SB5200-20A-E, SB5202-20A-E, SB5600-20A-E, SB5602-20A-E	SANsurfer Router Manager 2

Source: *EMC Support Matrix esm by OS* January 2010 P/N 300-000-166 ECO 70955 Rev C05

Table 2-206. EMC SAN Router Network Configuration and Application

QLogic Router	Distance Protocol
iSR6142	MirrorView, MirrorView/A, SAN Copy

Source: *EMC Support Matrix esm by OS* January 2010 P/N 300-000-166 ECO 70955 Rev C05

Table 2-207. iSCSI-to-Fibre Channel Routing

Operating System	QLogic Router	Storage Array
Microsoft Windows 2000 Microsoft Windows 2003 (x64) Microsoft Windows 2003 (x86) Red Hat RHEL (32-Bit) Red Hat RHEL (x64) SUSE SLES (32-Bit) SUSE SLES (x64)	iSR6250	EMC CLARiiON: CX3-80/CX3-40(FYCX3-20(F), CX4-120/CX4-240/CX4-480/CX4-960, CX4-120C8/CX4-240C8/CX4-480C8/CX4-960C8, CX4-120C8X/CX4-240C8X/CX4-480C8X/CX4-960C8X EMC Celerra: NS-120 (Native Block), NS-480 (Native Block), NS-960 (Native Block)

Source: *EMC Support Matrix esm by OS* January 2010 P/N 300-000-166 ECO 70955 Rev C05

Enhance Technology

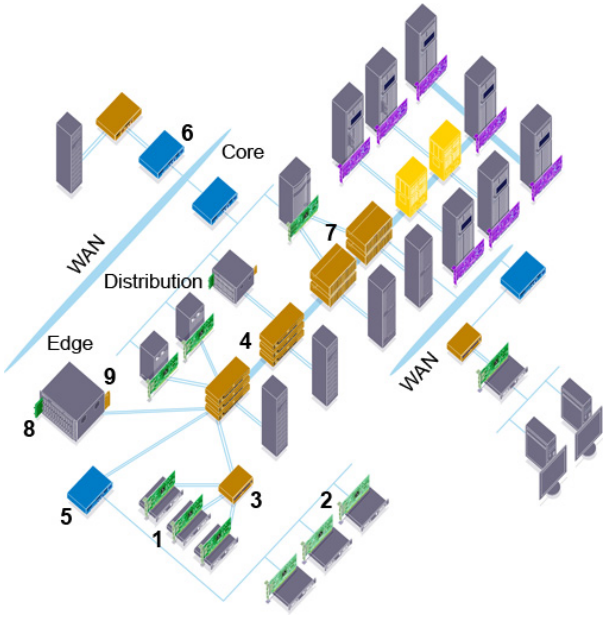
www.enhance-tech.com

Enhance Technology and the QLogic Platform

Enhance Technology products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-208. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-208. Enhance Technology and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Enhance Technology and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Enhance Technology.

- Table 2-209. Enhance Technology Product Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix
- Table 2-210. Enhance Technology Product Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-209. Enhance Technology Product Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix

QLogic Adapter	Enhance Technology Product	Operating System
QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QLE2460 QLE2462 QLE2464	UltraStor RS8-FS UltraStor RS16-FS	Red Hat Enterprise Linux 5 VMware ESX 3.5 Windows XP 32-Bit Windows 2003 32-Bit
QLA4050C QLA4052C QLE4060C QLE4062C	UltraStor RS8-IP UltraStor RS16-IP UltraStor RS16-IP4	Windows XP 32-Bit Windows 2003 32-Bit

Source: Enhance Technology 10/6/08

Table 2-210. Enhance Technology Product Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch	Enhance Technology Product
SB1400	UltraStor RS8-FS UltraStor RS16-FS

Source: Enhance Technology 10/6/08

FalconStor

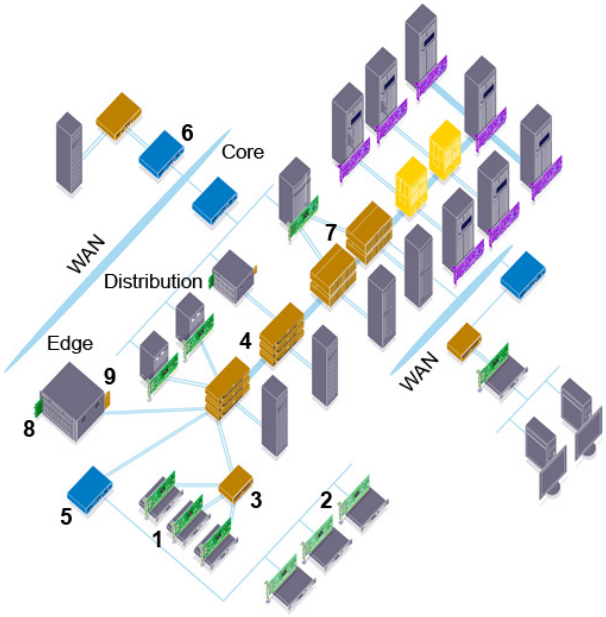
www.falconstor.com

FalconStor and the QLogic Platform

FalconStor Software, Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-211. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-211. FalconStor and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



FalconStor and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from FalconStor.

- Table 2-212. FalconStor Server Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-213. Client Machine Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-214. FalconStor Server Interoperability with QLogic Fibre Channel Switches
- Table 2-215. FalconStor Server Interoperability with QLogic Routers
- Table 2-216. FalconStor Server Interoperability with Disk Storage and QLogic Fibre Channel Adapters Matrix
- Table 2-217. FalconStor Server Interoperability with QLogic iSCSI Adapters Matrix

Table 2-212. FalconStor Server Interoperability with QLogic Fibre Channel Adapters Matrix

FalconStor Server	QLogic Adapter
CDP 6.0 and later	QLA2340
NSS 6.0 and later	QLA2342
FDS 1.1 and later	QLA2344
SIR 5.2 and later	QLA2462
VTL 5.2 and later	QLE2360
VTL-S 5.2 and later	QLE2362
	QLE2462
	QLE2464
	QLE2562

Source: FalconStor, 2/5/10

http://www.falconstor.com/en/pages/?pn=MatrixCards

Table 2-213. Client Machine Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	Client
QLA2340	Solaris SPARC, Windows
QLA2342	Solaris SPARC, Windows, Mac OS X 10.4.3
QLA2344	Windows 2000/2003, Linux
QLA2462	Windows
QLA24*xx*	DiskSafe
QLE2360	Windows
QLE2362	Windows
QLE2462	Windows, VMware, DynaPath
QLE2464	Windows, VMware
QLE2562	Windows, VMware
QLE2*xxx*	DiskSafe

Source: FalconStor, 2/5/10

http://www.falconstor.com/en/pages/?pn=MatrixCards

Table 2-214. FalconStor Server Interoperability with QLogic Fibre Channel Switches

FalconStor Server	QLogic Switch	Switch Firmware Version
CDP NSS FDS SIR VTL	SB9000	7.8.9.0
	SB9100	6.2.1.6.0
	SB5200-20A	4.2.0.18
	SB5602	5.0.0.17
	SB5800	7.4.0.16.00

Source: FalconStor, 2/5/10

http://www.falconstor.com/en/pages/?pn=MatrixSwitches

Table 2-215. FalconStor Server Interoperability with QLogic Routers

QLogic Router
iSR6140

Source: FalconStor 2/5/10

http://www.falconstor.com/en/pages/?pn=MatrixSwitches

Table 2-216. FalconStor Server Interoperability with Disk Storage and QLogic Fibre Channel Adapters Matrix

Company	Disk Storage	QLogic Adapter
3Par	InServ E200 on InForm 2.2.3, 2.2.4, 2.3.1 InServ F200 on InForm 2.2.4, 2.3.1 InServ F400 on InForm 2.2.4, 2.3.1 InServ S400 on InForm 2.2.3, 2.2.4, 2.3.1 InServ S800 on InForm 2.2.3, 2.2.4, 2.3.1 InServ T400 on InForm 2.2.3, 2.2.4, 2.3.1 InServ T800 on InForm 2.2.3, 2.2.4, 2.3.1	QLE2560, QLE2562 QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2472 QLA2310, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLE2360, QLE2362, QME2462

Source: FalconStor and 3PAR 2/18/10

http://www.falconstor.com/en/pages/?pn=MatrixDisks

Table 2-217. FalconStor Server Interoperability with QLogic iSCSI Adapters Matrix

FalconStor Server	Operating System	QLogic Adapter
CDP NSS SIR VTL	Windows XP Professional SP2	QLA405*x*
	Windows Server 2003 SP1/SP2	QLA4010 QLA4010C
	Windows Server 2003 R2 64-Bit Enterprise Edition	QLE4062C
	Windows Server 2008 64-Bit Enterprise Edition	QLE4062C
	Red Hat 7.3, 8.0, 9.0 Red Hat AS 2.1	QLA4010 QLA4010C

Source: FalconStor

Supported iSCSI Initiators for FalconStor Products, 4/27/09

http://www.falconstor.com/?lv=n&pdf=SupportediSCSIinitiators

Finisar

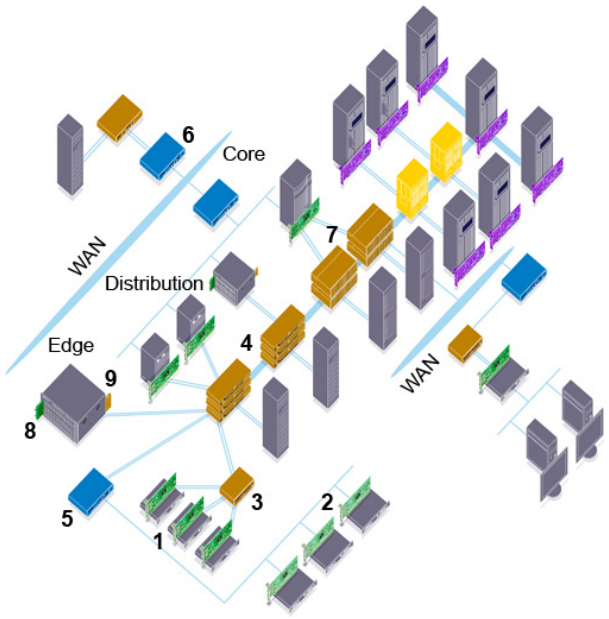
www.finisar.com

Finisar and the QLogic Platform

Finisar Corporation products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-218. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-218. Finisar and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Finisar and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Finisar®.

Table 2-219. Finisar Taps Interoperability with QLogic Fibre Channel Switches

Finisar Tap	QLogic Switch
Single-Port Tap 50/50 split—multimode or single mode, LC or SC 8-Port Tap—multimode or single mode, LC or SC	SB520*x* SB560*x*

Source: Finisar Corporation 1/31/06

Fujitsu Computer Systems

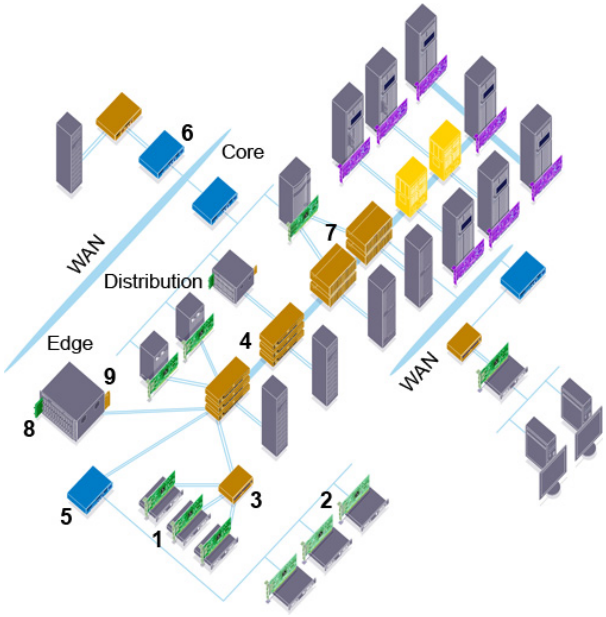
http://us.fujitsu.com/computers

Fujitsu Computer Systems and the QLogic Platform

Fujitsu Computer Systems products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-220. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-220. Fujitsu Computer Systems and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Fujitsu Computer Systems and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Fujitsu Computer Systems.

- Table 2-221. Fujitsu PRIMEPOWER Server and ETERNUS Storage Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-222. Fujitsu PRIMEQUEST Server Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-223. Fujitsu PRIMERGY Server Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-221. Fujitsu PRIMEPOWER Server and ETERNUS Storage Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	Operating System	Fujitsu Server	Fujitsu Storage
QLA2310	Solaris 9	PRIMEPOWER PW250/450, PW650/850, PW900/1500, PW2500	ETERNUS3000
	Solaris 9	PRIMEPOWER PW250/450, PW650/850, PW900/1500, PW2500	ETERNUS3000
QLogic QLA2460 QLogic QLA2462	Solaris 8, 9	PRIMEPOWER PW250/450, PW650/850, PW900/1500, PW2500	ETERNUS3000/ 4000/6000/8000
Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 8	PRIMEPOWER PW250/450, PW650/850, PW900/1500, PW2500	ETERNUS3000

Source: Fujitsu Computer Systems Corporation 11/8/06

Table 2-222. Fujitsu PRIMEQUEST Server Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Adapter	Fujitsu Server
Red Hat Enterprise Linux 4.5 Windows 2003 Data Center Edition Windows 2003 Enterprise Edition SP2	QLA2462	PRIMEQUEST 520/540/580
	QLE2462	PRIMEQUEST 520

Source: Fujitsu Computer Systems Corporation 1/23/08, 2/14/08

Table 2-223. Fujitsu PRIMERGY Server Interoperability with QLogic Fibre Channel Switches Matrix

Operating System	QLogic Switch	Fujitsu Storage
Linux Windows	SB1400	ETERNUS3000 Model 100 Fujitsu-Siemens S80

Source: Fujitsu Computer Systems Corporation 3/31/06

Hewlett-Packard

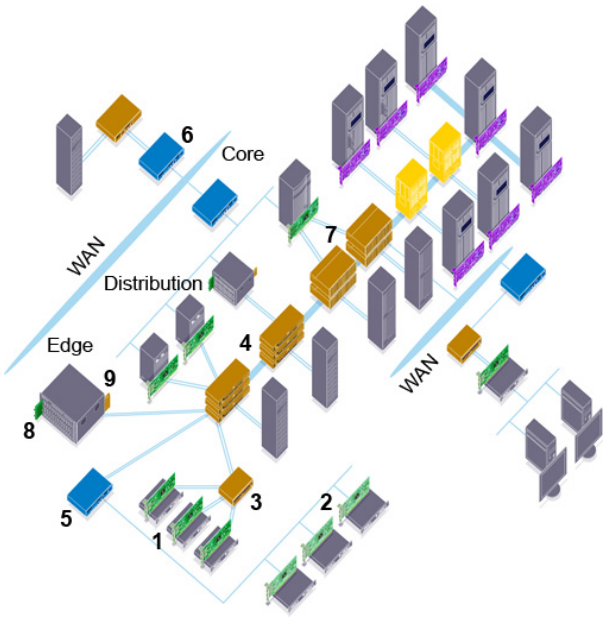
www.hp.com

Hewlett-Packard and the QLogic Platform

Hewlett-Packard Development Company, L.P. (HP) products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-224. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-224. Hewlett-Packard and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



HP and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Hewlett-Packard.

- Table 2-225. HP Proliant Server Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-226. HP Integrity and HP 9000 Server Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-227. Operating System Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix
- Table 2-228. Operating System Interoperability with QLogic 4Gb Fibre Channel Adapters Matrix
- Table 2-229. HP Storage Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-230. HP Proliant Server Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-231. HP Virtual Connect Fibre Channel Module for c-Class BladeSystem Interoperability with Fibre Channel Switches Matrix
- Table 2-232. HP iSCSI Connectivity, Gateway, and Router Interoperability with QLogic Routers Matrix
- Table 2-233. HP Storage Interoperability with QLogic Fibre Channel Switches Matrix

The following matrices contain products that use QLogic products as part of their solutions.

- Table 2-234. HP StorageWorks MSA1000 Small Business SAN Kits
- Table 2-235. HP StorageWorks MSA1000 Small Business SAN G2 Kits
- Table 2-236. HP StorageWorks 8Gb Simple SAN Connection Kit

Table 2-225. HP Proliant Server Interoperability with QLogic Fibre Channel Adapters Matrix

HP Proliant Server	HP Adapter Model (Part Number)	QLogic Adapter
DL120 G5	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
DL160 G5/G5p DL160 G6 DL160se G6 DL165 G5/G5p DL165 G6 DL170h/DL1000	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
DL180 G5	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
DL180 G6 DL185 G5	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
DL320 G4	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP

Table 2-225. HP Proliant Server Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

HP Proliant Server	HP Adapter Model (Part Number)	QLogic Adapter
DL320 G5/G5p DL320 G6	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A), G5p only	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
DL360 G4p	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
DL360 G5/G6 DL365 G5 DL370 G6	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
DL380 G4	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
DL380 G5 DL380 G6 DL385 G5/G5p DL385 G6	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
DL580 G4/G5	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP

Table 2-225. HP Proliant Server Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

HP Proliant Server	HP Adapter Model (Part Number)	QLogic Adapter
DL585 G5/DL785 G5 DL585/DL785 G6	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
ML350 G5 ML350 G6 ML370 G5 ML370 G6	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
BL480c/460c	QMH2462 (403619-B21)	QMH2462-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK
BL465c/680c/685c BL260c/460c/465c/495c/680c/685c (G5) BL2*x*220c (G5)	QMH2462 (403619-B21)	QMH2462-HP-BK
BL860c/870c BL685c (G6) BL280c/460c/490c (G6)	QMH2462 (403619-B21)	QMH2462-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK
BL465c/495c (G6)	QMH2462 (403619-B21)	QMH2462-HP-BK

Source: Hewlett-Packard, January 2010

HP Storage & Ethernet Adapter Support Matrix, January 2010

Table 2-226. HP Integrity and HP 9000 Server Interoperability with QLogic Fibre Channel Adapters Matrix

HP Server	HP Adapter Model (Part Number)	QLogic Adapter
Integrity Superdome Integrity rx8640/8620/7640/7620 Integrity rx6600	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	FC1142SR (AE311A)	QLE2460-HP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK

Table 2-226. HP Integrity and HP 9000 Server Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

HP Server	HP Adapter Model (Part Number)	QLogic Adapter
Integrity rx4640	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
Integrity rx3600 Integrity rx2660	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	FC1142SR (AE311A)	QLE2460-HP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
Integrity rx2620	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
HP 9000 rp84*xx*/7420/44*xx*/34*xx*	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK

Source: Hewlett-Packard, January 2010

HP Storage & Ethernet Adapter Support Matrix, January 2010

Table 2-227. Operating System Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
Windows Server 2003	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	AH400A (AH400A) IA64 only	QLE2560-HP-BK
	AH401A (AH401A) IA64 only	QLE2562-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK
Windows Server 2003 (x86), R2, 64-Bit Extended	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	QMH2562 (451871-B21)	QMH2562-HP-BK
Windows Server 2003, 64-Bit	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	QMH2562 (451871-B21)	QMH2562-HP-BK
Windows Server 2003 (IA32) R2, SP2 Windows Server 2003 (x64) R2, SP2	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
Windows Server 2008 Itanium	AH400A (AH400A) IA64 only	QLE2560-HP-BK
	AH401A (AH401A) IA64 only	QLE2562-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK
Windows Server 2008, W32/x64	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	AH400A (AH400A) IA64 only	QLE2560-HP-BK
	AH401A (AH401A) IA64 only	QLE2562-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK
Windows Server 2008 Hyper-V	QMH2562 (451871-B21)	QMH2562-HP-BK
RHEL 4 (x86)	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
RHEL 4 (AMD64/EM64T)	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
RHEL 4 Itanium	AH400A (QLE2560-HP-BK)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
RHEL 5 Itanium	QMH2562 (451871-B21)	QMH2562-HP-BK

Table 2-227. Operating System Interoperability with QLogic 8Gb Fibre Channel Adapters Matrix (Continued)

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
RHEL 5 (x86, x64)	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	QMH2562 (451871-B21)	QMH2562-HP-BK
RHEL 5 (x86, AMD64, EM64T)	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
SLES 10 (x86/AMD64/EM64T)	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	QMH2562 (451871-B21)	QMH2562-HP-BK
SLES 10 Itanium	QMH2562 (451871-B21)	QMH2562-HP-BK
SLES 11 (x86/AMD64/EM64T)	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
	QMH2562 (451871-B21)	QMH2562-HP-BK
SLES 11 Itanium	QMH2562 (451871-B21)	QMH2562-HP-BK
HP-UX 11i, v2	AH400A (QLE2560-HP-BK)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
OpenVMS v8.3	FC1142SR (AE312A)	QLE2460-HP-SP
VMware ESX Server 3.0, 3.0.1	QMH2562 (451871-B21)	QMH2562-HP-BK
VMware ESX Server 3.5	Q1 (AK344A)	QLE2560-HP-SP
	Q2 (AJ764A)	QLE2562-HP-SP
VMware ESX Server 4.0	Q2 (AJ764A)	QLE2562-HP-SP
	QMH2562 (451871-B21)	QMH2562-HP-BK

Source: Hewlett-Packard, January 2010

HP Storage & Ethernet Adapter Support Matrix, January 2010

Table 2-228. Operating System Interoperability with QLogic 4Gb Fibre Channel Adapters Matrix

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
Windows Server 2003	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK
Windows Server 2003 (x86), R2, and 64-Bit Extended	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
Windows Server 2003, 64-Bit	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
Windows Server 2008 Itanium	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
Windows Server 2008 (W32/x64)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK

Table 2-228. Operating System Interoperability with QLogic 4Gb Fibre Channel Adapters Matrix (Continued)

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
Windows Server 2008 Hyper-V	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK
RHEL 4 (x86)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
RHEL 4 (AMD64/EM64T)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK
RHEL 4 Itanium RHEL 5 Itanium	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
RHEL 5 (x86, x64)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
RHEL Virtualization	QMH2462 (403619-B21)	QMH2462-HP-BK

Table 2-228. Operating System Interoperability with QLogic 4Gb Fibre Channel Adapters Matrix (Continued)

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
SLES 9 (x86/AMD64/EM64T)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
SLES 9 Itanium	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
SLES 10 (x86/AMD64/EM64T)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
SLES 10 Itanium	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AB378B (AB378B)	ISP2422 ()
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
SLES 11 (x86/AMD64/EM64T)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK

Table 2-228. Operating System Interoperability with QLogic 4Gb Fibre Channel Adapters Matrix (Continued)

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
SLES 11 Itanium	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
SLES 11 Xen SLES Virtualization	QMH2462 (403619-B21)	QMH2462-HP-BK
NetWare 6.5	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK
HP-UX 11i, v1	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
HP-UX 11i, v2	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
HP-UX 11i, v3	FC1142SR (AE311A)	QLE2460-HP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
OpenVMS v8.3	FC1142SR (AE311A)	QLE2460-HP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
VMware ESX Server 2.*x*	QMH2462 (403619-B21)	QMH2462-HP-BK

Table 2-228. Operating System Interoperability with QLogic 4Gb Fibre Channel Adapters Matrix (Continued)

Operating System	HP Adapter Model (Part Number)	QLogic Adapter
VMware ESX Server 3.0, 3.0.1 VMware ESX Server 3.5	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
VMware ESX Server 4.0	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK
Solaris 10 (32-Bit)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
Solaris 10 (64-Bit)	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	AB379B (AB379B)	QLA2462-HP-UX-BK
Citrix XenServer HP Enterprise Edition	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK

Source: Hewlett-Packard, January 2010

HP Storage & Ethernet Adapter Support Matrix, January 2010

Table 2-229. HP Storage Interoperability with QLogic Fibre Channel Adapters Matrix

HP Storage	HP Adapter Model (Part Number)	QLogic Adapter
EVA3000/5000	82Q (AJ764A)	QLE2562-HP-SP
	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
EVA4*x*00 EVA6*x*00 EVA8*x*00	81Q (AK344A)	QLE2560-HP-SP
	82Q (AJ764A)	QLE2562-HP-SP
	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK

Table 2-229. HP Storage Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

HP Storage	HP Adapter Model (Part Number)	QLogic Adapter
MSA1000/1500	81Q (AK344A)[a]	QLE2560-HP-SP
	82Q (AJ764A)[a]	QLE2562-HP-SP
	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)[a]	QLE2462-HP-BK
	QMH2462 (403619-B21)[a]	QMH2462-HP-BK
	QMH2562 (451871-B21)[a]	QMH2562-HP-BK
MSA2000fc	81Q (AK344A)	QLE2560-HP-SP
	82Q (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	QMH2462 (403619-B21)	QMH2462-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK

Table Notes
[a] Active/Active Only

Table 2-229. HP Storage Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

HP Storage	HP Adapter Model (Part Number)	QLogic Adapter
MSA2000fc (G2) MSA2300fc XP10000 XP12000	81Q (AK344A)	QLE2560-HP-SP
	82Q (AJ764A)	QLE2562-HP-SP
	AH400A (AH400A)	QLE2560-HP-BK
	AH401A (AH401A)	QLE2562-HP-BK
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK
XP1024/128 XP20000/24000	81Q (AK344A)	QLE2560-HP-SP
	82Q (AJ764A)	QLE2562-HP-SP
	FC1142SR (AE311A)	QLE2460-HP-SP
	FC1242SR (AE312A)	QLE2462-HP-SP
	FC1143 (AB429A)	QLE2460-WLXHP-SP
	FC1243 (AE369A)	QLA2462-WLXHP-SP
	AB378B (AB378B)	ISP2422 (ASIC only)
	AB379B (AB379B)	QLA2462-HP-UX-BK
	AD300A (AD300A)	QLE2462-HP-BK
	QMH2462 (403619-B21)	QMH2462-HP-BK
	QMH2562 (451871-B21)	QMH2562-HP-BK

Source: Hewlett-Packard, January 2010

HP Storage & Ethernet Adapter Support Matrix, January 2010

Table 2-230. HP Proliant Server Interoperability with QLogic iSCSI Adapters Matrix

HP Server	Operating System	HP Storage	HP Adapter Model (Part Number)	QLogic Adapter
BL480c/460c BL260c/460c/465c/495c/680c/685c (G5) BL2x220c (G5) BL685c (G6) BL280c/460c/490c (G6)	Windows Server 2003 Windows Server 2003, 64-Bit Windows Server 2008, W32/x64 Windows Essentials Business Server 2008 Windows Small Business Server 2008 Windows Server 2008 Hyper-V RHEL 4 (x86, AMD64, EM64T) RHEL 5 (x86, x64, AMD64, EM64T) SLES 9 (x86, AMD64, EM64T) VMware ESX Server 3.5 VMware ESX Server 4.0	MSA, EVA, HP LeftHand and other third-party iSCSI targets	QMH4062 (488074-B22)	QMH4062-HP-SP

Source: Hewlett-Packard January 2010

HP Storage & Ethernet Adapter Support Matrix, January 2010

Table 2-231. HP Virtual Connect Fibre Channel Module for c-Class BladeSystem Interoperability with Fibre Channel Switches Matrix

HP Model	HP Part Number	Fibre Channel Switch
HP 4Gb Virtual Connect Fibre Channel Module	409513-B22	Brocade Cisco McDATA
HP 8Gb Virtual Connect Fibre Channel Module	572018-B2	

Table Notes

During the fabric login sequence, the Virtual Connect 4Gb Fibre Channel module will convert regular N_Port fabric login (FLOGI) frames to comply to the NPIV standard. When the conversion is complete, the frames pass through the Virtual Connect Fibre Channel Module, which now operates as a transparent, buffered, multiplexer.

Source: Hewlett-Packard and QLogic 2/1910

Table 2-232. HP iSCSI Connectivity, Gateway, and Router Interoperability with QLogic Routers Matrix

HP Model	HP Part Number	QLogic Router	Speed	Operating System	HP Storage
HP EVA iSCSI Connectivity Option	AE324A	iSR-6140-HP-SP	2Gb Fibre Channel 1Gb Ethernet	Windows RHEL SLES Solaris VMware OVMS Mac OS X	EVA
HP EVA iSCSI Connectivity Upgrade Option	AE325A	iSR-6140			
HP EVA4400 iSCSI Connectivity	AJ713A	iSR-6140AB			EVA4400
HP EVA4400 iSCSI Connectivity Upgrade	AJ714A	iSR-6141-HPB-SP			
HP EVA4400 iSCSI Connectivity 32 Initiator (LTU)	T5471A	N/A	N/A		
HP StorageWorks IP Distance Gateway	AG680A	iSR-6142-HP-SP	2Gb Fibre Channel 1Gb Ethernet	N/A	EVA XP
HP StorageWorks IP Distance Gateway Upgrade	AG681A	iSR-6142-HP-FRU			
1GbE Base Chassis	AP771A	6240-C12-B-HP-S	8Gb Fibre Channel 1Gb Ethernet 10Gb Ethernet	Windows RHEL SLES Solaris VMware Mac OS X	EVA
1GbE Upgrade Blade	AP772A	6240-B10-N-HP-S			
10-1 GbE Base Chassis	AP773A	6250-C12-B-HP-S			
10-1 GbE Upgrade Blade	AP774A	6250-B10-N-HP-S			
HP EVA6400 with 10GbE iSCSI	AW529A	N/A			EVA6400
HP EVA8400 14Gb Cache with 10GbE iSCSI	AW554A				EVA8400
HP EVA8400 22Gb Cache with 10GbE iSCSI	AW530A				

Source: Hewlett-Packard 2/19/10

Table 2-233. HP Storage Interoperability with QLogic Fibre Channel Switches Matrix

HP Storage	Operating System	HP Switch (Part Number)	QLogic Switch
EVA3000/5000	Vmware ESX ESXi	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
EVA4000/4100/4400 EVA6400/8400	Apple Mac OS X, Citrix Xen Server, HP EE, HP-UX, Windows 2003, Windows 2008, SLES Virtualization, SUSE Linux, Red Hat Linux, VMware ESX, VMware ESXi	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
	SUSE Linux, Red Hat Linux	SN6000, single power (AVV575A)	SB5800V
		SN6000, dual power (AVV576A)	SB5802V
MSA1000/1500	Novell®, HP-UX, Windows 2003, Windows 2008, Red Hat Linux, SLES Virtualization, SUSE Linux	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
	SUSE, Red Hat, Windows2003, Windows 2008	SN6000, single power (AVV575A)	SB5800V
		SN6000, dual power (AVV576A)	SB5802V
MSA2000fc	Citrix Xen Server, HP EE, HP-UX, Windows 2003, Windows 2008, Red Hat Linux, SLES Virtualization, SUSE Linux, VMware ESX, VMware ESXi	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
	VMware, SUSE Linux, Red Hat Linux, Windows 2003, Windows 2008	SN6000, single power (AVV575A)	SB5800V
		SN6000, dual power (AVV576A)	SB5802V
MSA2300fc	Citrix Xen Server, HP EE, HP-UX, Windows 2003, Windows 2008, Red Hat Linux, SLES Virtualization, SUSE Linux, VMware ESX, VMware ESXi, Solaris	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
	VMware, SUSE Linux, Red Hat Linux, Windows 2003, Windows 2008	SN6000, single power (AVV575A)	SB5800V
		SN6000, dual power (AVV576A)	SB5802V
EVA 3000/5000	Vmware ESX, VMware ESXi	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
SVSP 3.0	Windows 2003, Windows 2008	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11

Table 2-233. HP Storage Interoperability with QLogic Fibre Channel Switches Matrix (Continued)

HP Storage	Operating System	HP Switch (Part Number)	QLogic Switch
XP10000/12000	HP-UX, Windows 2003, Windows 2008, Red Hat Linux, SLES Virtualization, SUSE Linux, VMware ESX, VMware ESXi	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
XP 128/1024	HP-UX, Windows 2003, Windows 2008, Red Hat Linux, SUSE Linux	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
XP20000/24000	Citrix Xen Server, HP-UX, Windows 2003, Windows 2008, Red Hat Linux, SLES Virtualization, SUSE Linux, VMware ESX ESXi	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11
XP 48/512	HP-UX, Windows 2000, Windows 2003, Red Hat Linux, SUSE Linux	8/20q, 8-Port (AQ233A)	SB3800-08A-11
		8/20q, 16-Port (AK42)	SB3800-16A11

Source: HP StorageWorks Single Point of Connectivity Knowledge for HP Storage Products, 2/19/10
http://h20272.www2.hp.com/ (login required)

Table 2-234. HP StorageWorks MSA1000 Small Business SAN Kits

The HP StorageWorks MSA1000 Small Business SAN Kits provide storage array, switch, adapters, software, and cables in a single box. There are two kits:

- Starter kit
- Upgrade kit for high availability (adds network and RAID controller redundancy to the starter kit)

Key features:

- Easy to install: step-by-step installation poster and installation wizards make it virtually foolproof—less than 25 mouse clicks and your SAN is installed! Data migration can happen in minutes with HP DAS-to-SAN (DtS).
- Easy to manage: one management console for Microsoft Windows 2003 Server manages the switch, adapters, and modular smart array, unlike other solutions that have multiple management software packages or require hard coding.
- Easy to upgrade: add the HP StorageWorks MSA1000 Small Business SAN HA (High Availability) Kit for redundant, dual-path storage access. Add up to seven servers and up to 12TB of online storage.
- Best value: thousands less than building a SAN from scratch, plus dramatically lower total cost of ownership (TCO) due to revolutionary hardware and simple management software. Volume management, multipath, switch, and adapter management software are included at no extra charge.

HP StorageWorks MSA1000 Small Business SAN Kit (HP Part #: A7450A) includes:

- One MSA1000 enclosure with controller
- One 2/8q Fibre Channel Switch (SB3050)
- Four small-form-factor pluggables (SFPs)
- Two A7523A 2Gb Fibre Channel Host Bus Adapters (QLA200-WLX-HP-SP)
- Three 5m Fibre Channel cables
- Management software CD

HP StorageWorks MSA1000 Small Business SAN HA (High Availability) Kit (HP Part #: A7452A) includes:

- One MSA1000 controller
- One 2/8q Fibre Channel Switch (SB3050)
- Four small-form-factor pluggables
- Two A7523A 2Gb Fibre Channel Host Bus Adapters (QLA200-WLX-HP-SP)
- Three 5m Fibre Channel cables
- Management software CD

Table Notes

For more information, see the following QLogic Web site: http://www.qlogic.com/OEMSolutions/Pages/OEMHP.aspx.

Source: Hewlett-Packard 8/2/06

Table 2-235. HP StorageWorks MSA1000 Small Business SAN G2 Kits

The HP StorageWorks 1000 Modular Smart Array (MSA1000) is a 2Gb Fibre Channel storage system for the entry-level to mid-range storage area network (SAN) in Linux and Windows environments. There are two kits:

- Starter kit
- Upgrade kit for high availability

Key features:

- Easy to buy: one part number includes everything you need in one box, including 4Gb, PCIe, Fibre Channel adapters, and a 10-port 4Gb Fibre Channel switch.
- Easy to install: step-by-step installation poster and installation wizards make it virtually foolproof. The software installs in minutes at the click of a mouse. Data migration can happen in minutes with HP DAS-to-SAN (DtS).
- Easy to manage: use SANsurfer Express to manage the switch, adapters, and modular smart array—now with ADG RAID (RAID 6) support.
- Easy to upgrade: add the HP StorageWorks MSA1000 Small Business SAN HA (High Availability) G2 Kit for redundant, dual-path, storage access. Add up to nine servers. Connect two kits together to share one tape backup library. Add servers using the QLE220 PCIe 4Gb Adapter (AG527A) with x64 server support.
- Best value: thousands less than building a SAN from scratch, plus dramatically lower TCO due to revolutionary hardware and simple management software. Volume management, multi-path, switch, and adapter management software are included at no charge—and now with Active/Active controller support for the MSA1000.

HP StorageWorks MSA1000 Small Business SAN G2 Kit (HP Part #: AG525A) includes:

- One MSA1000 enclosure with controller
- One 4/10q Fibre Channel switch (SB1404)
- Two QLE220 (HP Part #: AG527A) 4Gb, PCIe Fibre Channel Adapters
- Three 5m Fibre Channel cables
- Four SFPs
- One management software CD

HP StorageWorks MSA1000 Small Business SAN HA Upgrade G2 Kit (HP Part #: AG526A) includes:

- One MSA1000 controller
- One 4/10q Fibre Channel switch (SB1404)
- Two QLE220 (HP Part #: AG527A) 4Gb, PCIe Fibre Channel Adapters
- Three 5m Fibre Channel cables
- Four SFPs

Table Notes

For more information, see the following QLogic Web site: http://www.qlogic.com/OEMSolutions/Pages/OEMHP.aspx.

Source: Hewlett-Packard 5/1/07

Table 2-236. HP StorageWorks 8Gb Simple SAN Connection Kit

The HP StorageWorks 8Gb Simple SAN Connection portfolio delivers next-generation 8Gb Fibre Channel performance, with built-in simplicity, at affordable 4Gb price points for new mid-market or enterprise SAN deployments. SAN novices and seasoned experts alike will appreciate the simplicity and power of the Simple SAN Connection Manager (SSCM) software, working seamlessly with both HP StorageWorks Enterprise Virtual Arrays (EVA) and HP StorageWorks Modular Storage Arrays (MSA), to quickly handle common cross-platform management and maintenance tasks.

Today's performance at yesterday's prices

- High performance at affordable pricing: The future is within reach today with state-of-the-art 8Gb Fibre Channel technology offering the bandwidth today that you will need to support emerging technologies. 8Gb speed extends the useful life of your purchase. Migrate at your own pace.
- Enterprise-class functionality: Powerful features such as adaptive trunking (fabric speed optimization), drag-and-drop zoning, I/O StreamGuard (uninterrupted dataflow), automatic firmware notifications and downloads, and non-disruptive upgrades give you the winning edge and help you get the most out of your SAN.
- Integrated end-to-end management: No need to master separate interfaces to control HP switches, adapters, and storage. Configure and monitor them all from a convenient unified dashboard.

Simplicity at its finest

- Ease of deployment: Ensures full optimization and “best practices” with minimal training.
- Application-based wizards: Includes a Microsoft Exchange wizard sized for a variety of typical configurations, and a custom template to create your own configurations to quickly deploy other applications.
- Aggressively priced bundle: The 8Gb Simple SAN Connection Kit includes everything required for a four-host SAN infrastructure, including 8Gb adapters, cables, and SFPs—just add your choice of HP storage!

Built with the future in mind

- Scalability: Start with an 8-port switch and expand as your needs change with 4-port license keys (up to 20 ports per chassis). Then link additional switches to create a larger, high-performance enterprise SAN.
- Investment protection: Although the 8Gb Simple SAN Connection portfolio delivers 8Gb performance and a cross-platform user interface, it is priced competitively with 4Gb switches. On a cost-per-throughput basis, the aggregate platform bandwidth of 320Gbps makes the HP 8/20q Fibre Channel Switch the price/performance leader in the market.
- Long-term value: Whether you need e-mail/database scalability, server/storage consolidation, or automated backup/disaster recovery, an HP 8/20q Fibre Channel Switch can provide accelerated ROI for your company.
- Interoperability: Inexpensively add a new department or remote SAN and seamlessly connect to the existing HP StorageWorks B-series fabrics using transparent routing (TR). TR eliminates the management challenges of interoperability and merged fabrics, allowing the sharing of HP resources over multiple paths between SANs.

The 8Gb Simple SAN Connection Kit includes everything required for a four-host SAN infrastructure—just add your choice of HP storage!

- One HP 8/20q Fibre Channel Switch
- Four HP 81Q (HP AK344K) (QLE2560-HP-SP) 8Gb Adapters
- Eight 8Gb SFPs
- Cables
- Software CD
- Document CD

Table Notes

For more information, see the following QLogic Web site: http://www.qlogic.com/OEMSolutions/Pages/OEMHP.aspx.

Source: Hewlett-Packard 2/25/08

Hitachi Data Systems

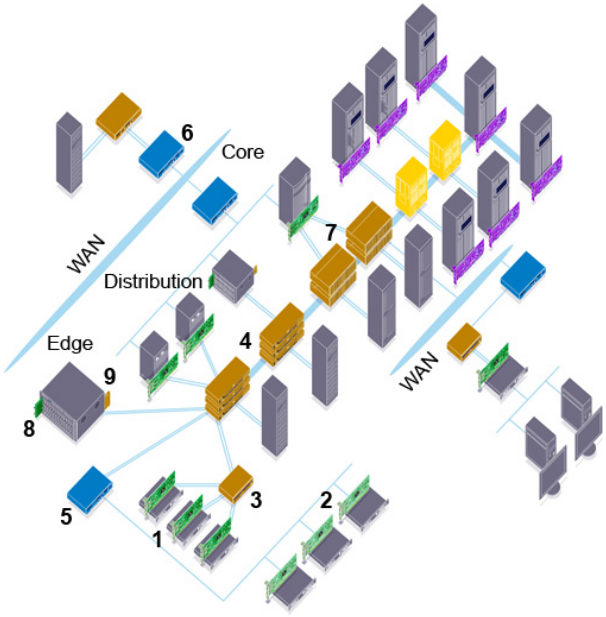
www.hds.com

HDS and the QLogic Platform

Hitachi Data Systems Corporation (HDS) products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-237. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-237. HDS and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



HDS and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Hitachi Data Systems®.

- Table 2-238. HDS Enterprise Solutions with QLogic Fibre Channel Switches and Adapters, iSCSI Adapters, and Routers Matrix
- Table 2-239. HDS Mid-Range Solutions with QLogic Fibre Channel Switches and Adapters, iSCSI Adapters, and Routers Matrix
- Table 2-240. HDS Small Medium Business (SMB) Solutions with QLogic Fibre Channel Switches and Adapters, iSCSI Adapters, and Routers Matrix
- Table 2-241. Hitachi Data Systems Storage with HDLM 5.8 Interoperability with QLogic Adapters Matrix
- Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix
- Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix
- Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix
- Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix
- Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix

Table 2-238. HDS Enterprise Solutions with QLogic Fibre Channel Switches and Adapters, iSCSI Adapters, and Routers Matrix

HDS Storage	QLogic Switch	QLogic Router	QLogic Adapter
Universal Storage Platform (USP) Universal Storage Platform VM (USP VM) Adaptable Modular Storage 2500 (AMS2500)	SB5802V-08A SB5802V-20A8 SB5602Q-08-02 [a] SB5602Q-16-02 [a] SB5602Q-20-02 [a]	6250-C12-B-HD-S 6250-B10-N-HD-S iSR6140-HDS-SP iSR6142-HDS-SP	QLE2560-CK QLE2562-CK QLE2460-CK QLE2462-CK QLA2460-CK QLA2462-CK QLE4060C-CK QLE4062C-CK QLA4050C-CK QLA4052C-CK

Table Notes
[a] Q versions exclude EFS software.

Source: QLogic 2/24/09

QLogic Product Reference for HDS Line Card, 12/18/09

Table 2-239. HDS Mid-Range Solutions with QLogic Fibre Channel Switches and Adapters, iSCSI Adapters, and Routers Matrix

HDS Storage	QLogic Switch	QLogic Router	QLogic Adapter
Adaptable Modular Storage 2100 (AMS2100) Adaptable Modular Storage 2300 (AMS2300) Adaptable Modular Storage 2500 (AMS2500)	SB5802V-08A SB5802V-20A8 SB5602Q-08-02 SB5602Q-16-02 SB5602Q-20-02	6250-C12-B-HD-S 6250-B10-N-HD-S ISR6140-HDS-SP ISR6142-HDS-SP	QLE2560-CK QLE2562-CK QLE2460-CK QLE2462-CK QLE2440-CK QLA2460-CK QLA2462-CK QLA2440-CK QLE4060C-CK QLE4062C-CK QLA4050C-CK QLA4052C-CK

Source: QLogic 2/24/09

QLogic Product Reference for HDS Line Card, 12/18/09

Table 2-240. HDS Small Medium Business (SMB) Solutions with QLogic Fibre Channel Switches and Adapters, iSCSI Adapters, and Routers Matrix

HDS Storage	QLogic Switches	QLogic Routers	QLogic Adapters
Adaptable Modular Storage 2100 (AMS2100) Simple Modular Storage 100 (SMS100)	SB3810-08A SB3810-08A8 SB5600Q-08-02 SB5600Q-16-02 SB5600Q-20-02	ISR6140-HDS-SP ISR6142-HDS-SP	QLE2460-CK QLE2462-CK QLE2440-CK QLA2460-CK QLA2462-CK QLA2440-CK QLE4060C-CK QLE4062C-CK QLA4050C-CK QLA4052C-CK

Source: QLogic 2/24/09

QLogic Product Reference for HDS Line Card, 12/18/09

Table 2-241. Hitachi Data Systems Storage with HDLM 5.8 Interoperability with QLogic Adapters Matrix

HDS Storage Array	Operating System	QLogic Adapter
Lightning 9900 Lightning 9900 V Hitachi® Adaptable Modular Storage (AMS) Hitachi Universal Storage Platform (USP) Hitachi Universal Storage Platform V (USP V) Hitachi Workgroup Modular Storage (WMS) Thunder 9500 V	Linux 2.4, 2.6	QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462
	NetWare 5.1, 6.0, 6.5	QLA2340
	NetWare 6.5	QLA2342
	Solaris 8, 9	QLA2340 QLA2342
	Solaris SPARC	QLA2460 QLA2462
	Windows 2000	QLA2340 QLA2342
	Windows 2000 SP4 Windows 2003 IA32 SP1, R2 Windows NT 4.0	QLA2340 QLA2342
	Windows Server 2003 SP1, R2 Windows Server 2003 x64 SP1, R2	QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462

Table Notes
HDLM stands for Hitachi HiCommand Dynamic Link Manager.

Source: QLogic Corporation 1/31/07, 12/2/07

Hitachi Data Systems – Adapter-Approved Software, January 31, 2007. QLogic Corporation: http://support.qlogic.com/support/oem_detail_hds.asp?oemid=84&classid=237

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-20EL)	Switch Connect	IBM	FC Switch (QLogic)	IBM Fibre card (Fibre 2 Gbps)
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4.EL-u3)	Switch Connect	Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9216a Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800 SilkWorm 3900	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA64 Kernel: 2.4.21-9.0.1.EL)	Switch Connect	Cisco	Cisco MDS 9216 Cisco MDS 9216a Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340
Linux AS 3.0 UP2 (Red Hat, IA32 Kernel: 2.4.21-15.Elsmp)	Switch Cas-cade (4)	QLogic	520x 560x	Emulex LP1050 Emulex LP1050DC Emulex LP10000 Emulex LP10000DC QLogic QLA234x
Linux ES 8.0 (SuSE, IA32 Kernel: 2.4.19-64GB-SMP)	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800 SilkWorm 3900	QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
NetWare 6.0 SP2 (Novell, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900	QLogic QLA2340
		Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340
NetWare 6.5 SP2 (Novell, IA32)	Switch Connect	Brocade	SilkWorm 3800 SilkWorm 3900	QLogic QLA2340
Solaris 7 (Sun, 64 bit)	Switch Connect	QLogic	2-64	JNI FCE-1473 QLogic QCP2332F QLogic QLA2332F

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 8 (Sun, 64 bit)	Direct Connect			QLogic QCP2332 QLogic QLA2332 QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2400 SilkWorm 2800	QLogic QCP2332F QLogic QLA2332F QLogic QLA2340 QLogic QLA2342L
			SilkWorm 24000	QLogic QLA2340
			SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QCP2332F QLogic QLA2332F QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 4100	QLogic QLA2340
			SilkWorm 6400	QLogic QCP2332F QLogic QLA2332F QLogic QLA2342L
		Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9216a Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 8 (Sun, 64 bit) (Continued)	Switch Connect (Continued)	McDATA	ED-6064 (1G)	QLogic QCP2332F QLogic QLA2332F
			ED-6140	QLogic QLA2340
			ES-3216 ES-3232	QLogic QLA2332F
			ES-4300 ES-4500 Intrepid i10K	QLogic QLA2340
Solaris 8 (Sun, Sparc, 64 bit)	Switch Cas-cade (2)	QLogic	520x	Sun SG-XPCI1FC-JF2 Sun SG-XPCI1FC-QF2 Sun SG-XPCI2FC-JF2 Sun SG-XPCI2FC-QF2

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 9 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900 SilkWorm 4100 SilkWorm 6400	QLogic QLA2340
		Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9216a Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340
		McDATA	ED-6140 ES-4300 ES-4500 Intrepid i10K	QLogic QLA2340
Solaris 9 (Sun, Sparc, 64 bit)	Switch Cas-cade (2)	QLogic	520x	Sun SG-XPCI1FC-JF2 Sun SG-XPCI1FC-QF Sun SG-XPCI2FC-JF2 Sun SG-XPCI2FC-QF2
	Switch Cas-cade (4)	QLogic	520x 560x	Emulex LP9802 QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 10 (Sun, Sparc, 64 bit)	Switch Cas-cade (4)	QLogic	520x	Sun SG-XPCI1FC-JF2 Sun SG-XPCI1FC-QF2 Sun SG-XPCI2FC-JF2 Sun SG-XPCI2FC-QF2
VMware ESX () 2.1.2 (VMware, IA32)	Switch Connect	Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2342
VMware ESX () 2.5 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3800	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
		McDATA	ED-6064 (2G) ED-6140	QLogic QLA2340
VMware ESX (Windows 2000 SP3) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
		McDATA	ED-6064 (2G) ED-6140	QLogic QLA2342

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
VMware ESX (Windows 2000 SP3 & SP4) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2340
VMware ESX (Windows 2003) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1 (VMware, IA32) Support	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
		McDATA	ED-6064 (2G) ED-6140	QLogic QLA2340
Windows 2000 AS SP2 (Microsoft, IA32)	Direct Connect			QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP3 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3900 SilkWorm 6400	QLogic QLA2340
		Cisco	Cisco MDS 9216 Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP4 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800	QLogic QLA2340
			SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100	QLogic QLA2340
		Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9216a Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340
		McDATA	ED-6064 (2G) ED-6140 ES-4300 ES-4500 Intrepid i10K	QLogic QLA2340
	Switch Cas-cade (4)	QLogic	520x 560x	Emulex LP9802 QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2003 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100	QLogic QLA2340
		Cisco	Cisco MDS 9120 Cisco MDS 9140 Cisco MDS 9216 Cisco MDS 9216a Cisco MDS 9216i Cisco MDS 9506 Cisco MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340
		McDATA	ED-6140 ES-4300	QLogic QLA2340
			ES-4500	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340
Windows 2003 (Microsoft, IA64)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2340
	Switch Cas-cade (4)	QLogic	520x 560x	Emulex LP9802 QLogic QLA2340
Windows NT 4.0 EE SP4	Direct Connect			QLogic QLA2340
Windows NT 4.0 EE SP5	Direct Connect			QLogic QLA2340

Table 2-242. Hitachi Data Systems Lightning 9900 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows NT 4.0 EE SP6A (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 2800 SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
Windows NT 4.0 EE SP6	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800 SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Source: Hitachi Data Systems Corporation 11/17/05

HDS SAN FAR (February 22, 2005); *Lightning 9900 Series Qualified SAN Solutions (QLogic 5200 and 5600)*, November 17, 2005

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux AS 2.1 (Red Hat, IA32 Kernel: 2.4.9.e.27)	Switch Connect	McDATA	ED-6140	QLogic QLA2342
Linux AS 2.1 (Red Hat, IA32 Kernel: 2.4.9-e.38enterprise)	Switch Connect	McDATA	ED-6140	QLogic QLA2342
Linux AS 2.1 (Red Hat, IA32)	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-20EL)	Switch Connect	IBM	FC Switch (QLogic)	IBM Fibre card
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4.EL-u3)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4)	Direct Connect			QLogic QLA2340
	Switch Connect	McDATA	ED-6064 (2G)	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-9.0.1.Elsmp)	Switch Connect	Brocade	SilkWorm 24000	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-9.0.1.ELsmp)	Switch Connect	Brocade	SilkWorm 24000 SilkWorm 3800 SilkWorm 3900	QLogic QLA2340
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA64 Kernel: 2.4.21-9.0.1.EL)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
Linux ES 8.0 (SuSE, IA32 Kernel: 2.4.19-4GB)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3200	QLogic QLA2342
			SilkWorm 3800 SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G)	QLogic QLA2342
			ED-6064 (2G)	QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux ES 8.0 (SuSE, IA32 Kernel: 2.4.19-64GB-SMP)	Switch Connect	McDATA	ED-6064 (2G) ED-6140	QLogic QLA2342
Linux ES 8.0 (SuSE, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800 SilkWorm 3900	QLogic QLA2342
		McDATA	ED-6064 (2G)	QLogic QLA2342
Linux ES 8.0 (SuSE, IA64 Kernel: 2.4.19-smp)	Switch Connect	Brocade	SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
NetWare 5.1 SP3 (Novell, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	McDATA	ED-6140	QLogic QLA2340
NetWare 6.0 SP2 (Novell, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216i	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6140	QLogic QLA2340
NetWare 6.0 SP4 (Novell, IA32)	Direct Connect			QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
NetWare 6.5 SP1.1 (Novell, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340
NetWare 6.5 SP2 (Novell, IA32)	Switch Connect	Brocade	SilkWorm 3800 SilkWorm 3900	QLogic QLA2340
Solaris 2.6 (Sun, 32 bit)	Direct Connect			QLogic QLA2332
	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2332F
Solaris 7 (Sun)	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2332F
		McDATA	ED-6064 (1G)	QLogic QLA2332F

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 8 (Sun, 64 bit)	Direct Connect			QLogic QCP2332F QLogic QLA2332 QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
	Switch Connect	Brocade	SilkWorm 12000	QLogic QCP2332F QLogic QLA2332F QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
			SilkWorm 2400	QLogic QLA2340 QLogic QLA2342L
			SilkWorm 24000	QLogic QLA2340
			SilkWorm 2800 SilkWorm 3200	QLogic QLA2340 QLogic QLA2342L
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QCP2332F QLogic QLA2332F QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
			SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 4100	QLogic QLA2340
			SilkWorm 6400	QLogic QLA2342L
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 8 (Sun, 64 bit) (Continued)	Switch Connect (Continued)	CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G)	QLogic QLA2332F
			ED-6140 ES-4500 Intrepid i10K	QLogic QLA2340
Solaris 9 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342 QLogic QLA2342L
			SilkWorm 2400 SilkWorm 24000 SilkWorm 2800	QLogic QLA2340
			SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL SilkWorm 3250	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342 QLogic QLA2342L
			SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100	QLogic QLA2340
			SilkWorm 6400	QLogic QLA2342L
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
			UMD	QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 9 (Sun, 64 bit) *(Continued)*	Switch Connect	McDATA	ED-6140	QLogic QLA2340 QLogic QLA2342
			ES-4500 Intrepid i10K	QLogic QLA2340
VMware ESX () 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ES-4300 ES-4500	QLogic QLA2342
VMware ESX () 2.1.2 (VMware, IA32)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2342
VMware ESX () 2.5 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3800	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
VMware ESX (Windows 2000 SP3) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
		Cisco	MDS 9216	QLogic QLA2342
		McDATA	ES-4500	QLogic QLA2342

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
VMware ESX (Windows 2000 SP3 & SP4) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
		Cisco	MDS 9216	QLogic QLA2342
		McDATA	ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1.1 (VMware, IA32)	Switch Connect	McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2342
		Cisco	MDS 9216 MDS 9506 MDS 9509	QLogic QLA2342
		McDATA	ES-4500	QLogic QLA2342
Windows 2000 AS SP2 (Microsoft, IA32)	Direct Connect			QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP3 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
			SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3900 SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP4 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 4100	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340
		McDATA	ED-6064 (2G) ED-6140 ES-4500 Intrepid i10K	QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2003 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340
		McDATA	ED-6140 ES-4300 ES-4300	QLogic QLA2340
			ES-4500	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340
Windows 2003 (Microsoft, IA64)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2340

Table 2-243. Hitachi Data Systems Lightning 9900 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows NT 4.0 EE SP6A (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 2800 SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
Windows NT 4.0 EE SP6 (Microsoft, IA32)	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800 SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Source: Hitachi Data Systems Corporation 3/14/05

HDS SAN FAR (February 22, 2005)

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux 7.2 (Red Hat, IA32)	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3800	
Linux AS 2.1 (Red Hat, IA32)	Direct Connect			QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2342
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4.EL-u3)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
Linux AS 3.0 (Red Hat, IA64 Kernel: 2.4.21-9.0.1.EL)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
NetWare 6.0 SP2 (Novell, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 8 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6140	QLogic QLA2340
			ES-3216	QLogic QLA2340 QLogic QLA2342
			ES-3232 ES-4500 Intrepid i10K	QLogic QLA2340

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 9 (Sun, 64 bit)	Direct Connect			QLogic QLA2340
	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6140 ES-4500 Intrepid i10K	QLogic QLA2340
Windows 2000 AS SP2 (Microsoft, IA32)	Direct Connect			QLogic QLA2340
Windows 2000 AS SP3 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP4 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6140	QLogic QLA2340
			ES-4500	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2003 (Microsoft, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6140 ES-4500 Intrepid i10K	QLogic QLA2340
Windows NT 4.0 EE SP6A (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120	QLogic QLA2340 QLogic QLA2342

Table 2-244. Hitachi Data Systems Thunder 9200 Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows NT 4.0 EE SP6 (Microsoft, IA32)	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200 SilkWorm 3800	QLogic QLA2340
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
			SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140	QLogic QLA2340 QLogic QLA2342

Source: Hitachi Data Systems Corporation 3/14/05
HDS SAN FAR (February 22, 2005)

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Egenera cBlade 3.0.1 (Egenera, IA32)	Direct Connect			QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3800	QLogic QLA2342
Linux 7.2 (Red Hat, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
Linux 8.0 (SuSE, IA32)	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2340
Linux AS 2.1 (Red Hat, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	McDATA	ED-6140 ES-4500	QLogic QLA2340

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4.EL-u3)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-9.0.1ELgfssmp)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-9.0.1.EL)	Switch Connect	Brocade	SilkWorm 2800 SilkWorm 3800	QLogic QLA2342
Linux AS 3.0 (Red Hat, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 2800	QLogic QLA2342
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA64 Kernel: 2.4.21-4)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2340 QLogic QLA2342
Linux AS 3.0 (Red Hat, IA64 Kernel: 2.4.21-9.0.1.EL)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Linux AS 3.0 UP2 (Red Hat, IA32 Kernel: 2.4.21-15.Elsmp)	Switch Cascade (4)	QLogic	520x 560x	Emulex LP1050 Emulex LP1050DC Emulex LP10000 Emulex LP10000DC QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Linux ES 8.0 (SuSE, IA32 Kernel: 2.4.19-64GB-SMP)	Switch Connect	McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
Linux ES 8.0 (SuSE, IA32)	Switch Connect	Brocade	SilkWorm 3800	QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
NetWare 6.0 SP2 (Novell, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G)	QLogic QLA2342
			ES-4300	QLogic QLA2340
			ES-4500	QLogic QLA2340 QLogic QLA2342
NetWare 6.0 SP4 (Novell, IA32)	Direct Connect			QLogic QLA2340
NetWare 6.5 SP1.1 (Novell, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3900	QLogic QLA2340
		Cisco	MDS 9140 MDS 9509	QLogic QLA2340
NetWare 6.5 SP2 (Novell, IA32)	Switch Connect	Brocade	SilkWorm 3800 SilkWorm 3900	QLogic QLA2340

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Solaris 8 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2340
			SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Solaris 8 (Sun, Sparc, 64 bit)	Switch Cas-cade (1)	QLogic	520x	Emulex LP9002DC Emulex LP9002L Emulex LP9402DC
Solaris 9 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Solaris 9 (Sun, 64 bit) (*Continued*)	Switch Connect	McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340
		QLogic	2-64	Sun SG-XPCI1FC-QF2 Sun SG-XPCI2FC-QF2 Sun X6757A
Solaris 9 (Sun, Sparc, 64 bit)	Switch Cascade (1)	QLogic	520x	Emulex LP9002DC Emulex LP9002L Emulex LP9402DC
	Switch Cascade (4)	QLogic	520x 560x	Emulex LP9802 Emulex LP9802DC QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
VMware ESX () 2.5 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3800	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4500	QLogic QLA2340 QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP2) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP5) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
			ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP1) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP3) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9506 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
VMware ESX (Windows 2000 SP3) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
		Cisco	MDS 9216	QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
			ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP3 & SP4) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
			ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
VMware ESX (Windows 2000 SP4) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9216	QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
			ES-4500	QLogic QLA2342
VMware ESX (Windows 2000 SP4) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9506 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2340 QLogic QLA2342
			SilkWorm 24000	QLogic QLA2342
			SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3250	QLogic QLA2342
			SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3850	QLogic QLA2342
			SilkWorm 3900	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
VMware ESX (Windows 2003) 2.1.1 (VMware, IA32) (Continued)	Switch Connect (Continued)	McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342
			ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1.2 (VMware, IA32)	Switch Connect	McDATA	ES-3232 ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.1 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342
VMware ESX (Windows 2003) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9506 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Windows 2000 AS SP3 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Windows 2000 AS SP4 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Windows 2000 AS SP4 (Microsoft, IA32) (Continued)	Switch Connect (Continued)	McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340
	Switch Cas-cade (4)	QLogic	520x 560x	Emulex LP9802 Emulex LP9802DC QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Windows 2003 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 3900 SilkWorm 4100 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Windows 2003 (Microsoft, IA32) (Continued)	Switch Connect (Continued)	McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342
			Intrepid i10K	QLogic QLA2340
	Switch Cas-cade (4)	QLogic	560x	HP FIbre card PCI-X (2 Gbps)
Windows 2003 (Microsoft, X64)	Switch Cas-cade (4)	QLogic	520x 560x	Emulex LP9802 Emulex LP9802DC QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Windows NT 4.0 EE SP6A (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL SilkWorm 3900 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342
		Cisco	MDS 9120 MDS 9216	QLogic QLA2340 QLogic QLA2342

Table 2-245. Hitachi Data Systems Thunder 9500 V Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch/Firmware	Adapter
Windows NT 4.0 EE SP6 (Microsoft, IA32)	Switch Connect	Brocade	SilkWorm 2400 SilkWorm 2800 SilkWorm 3200	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3200VL	QLogic QLA2340
			SilkWorm 3800	QLogic QLA2340 QLogic QLA2342
			SilkWorm 3800VL SilkWorm 3900 SilkWorm 6400	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342

Source: Hitachi Data Systems Corporation 11/17/05

HDS SAN FAR (February 22, 2005); *Thunder 9500 V Series Qualified SAN Solutions (QLogic 5200 and 5600)*, November 17, 2005

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux AS 2.1 (Red Hat, IA32)	Switch Connect	Brocade	SilkWorm 3200 SilkWorm 3200VL SilkWorm 3800 SilkWorm 3800VL	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Linux AS 2.1 (Red Hat, IA64)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Linux AS 3.0 (Red Hat, IA32 Kernel: 2.4.21-4.EL-u3)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux AS 3.0 (Red Hat, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 4100	QLogic QLA2340
			SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		CNT	FC/9000-64/128 (1G) FC/9000-64/128 (2G)	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			UMD	QLogic QLA2340
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux AS 3.0 (Red Hat, IA64 Kernel: 2.4.21-9.0.1.EL)	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
Linux AS 3.0 (Red Hat, IA64)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Linux ES 8.0 (SuSE, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Linux ES 8.0 (SuSE, IA64)	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
NetWare 5.1 SP5 (Novell, IA32)	Direct Connect			QLogic QLA2340
NetWare 5.1 SP7 (Novell, IA32)	Direct Connect			QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
NetWare 6.0 SP2 (Novell, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9216i MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
NetWare 6.5 SP1.1 (Novell, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
NetWare 6.5 SP2 (Novell, IA32)	Direct Connect			QLogic QLA2340
	Switch Connect	Brocade	SilkWorm 3800 SilkWorm 3900	QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 8 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 4100 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			Intrepid i10K	QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Solaris 9 (Sun, 64 bit)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 3900	QLogic QLA2340
			SilkWorm 4100 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9216a MDS 9506 MDS 9509	QLogic QLA2340
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2340
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			ES-4500 Intrepid i10K	QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
VMware ESX () 2.5 (VMware, IA32)	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 24000 SilkWorm 3250 SilkWorm 3800 SilkWorm 3850 SilkWorm 3900	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic QLA2342
VMware ESX (Red Hat Linux AS 2.1 UP5) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9509	QLogic QLA2342
		CNT	UMD	QLogic Fibre card (HP) QLogic Fibre card (IBM) QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Red Hat Linux AS 3.0 UP3) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic Fibre card (HP) QLogic Fibre card (IBM) QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
VMware ESX (Windows 2000 SP4) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic Fibre card (HP) QLogic Fibre card (IBM) QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342
VMware ESX (Windows 2003) 2.5 (VMware, IA32)	Switch Connect	Cisco	MDS 9140 MDS 9509	QLogic QLA2342
		CNT	FC/9000-64/128 (2G) UMD	QLogic Fibre card (HP) QLogic Fibre card (IBM) QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (2G) ES-4500	QLogic QLA2342

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP3 (Microsoft, IA32)	Switch Connect	Brocade	SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850 SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2000 AS SP4 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 4100	QLogic Fibre card (HP) QLogic Fibre card (IBM) QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9216	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		CNT	FC/9000-64/128 (2G)	QLogic QLA2340
		IBM	FC Switch (QLogic)	IBM Fibre card
			ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			Intrepid i10K	QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2003 (Microsoft, IA32)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 2050 SilkWorm 2400 SilkWorm 24000 SilkWorm 2800 SilkWorm 3200 SilkWorm 3200VL SilkWorm 3250 SilkWorm 3800 SilkWorm 3800VL SilkWorm 3850	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 3900	QLogic QLA2340
			SilkWorm 4100	QLogic Fibre card (HP) QLogic Fibre card (IBM) QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 6400	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		Cisco	MDS 9120 MDS 9140 MDS 9216	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			MDS 9216a	QLogic QLA2340
			MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2003 (Microsoft, IA32) (Continued)		CNT	FC/9000-64/128 (1G)	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			FC/9000-64/128 (2G) UMD	QLogic QLA2340
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			Intrepid i10K	QLogic QLA2340

Table 2-246. Hitachi Data Systems TagmaStore Universal Storage Platform (USP) Interoperability with Adapters and Switches Matrix (Continued)

Operating System	Connectivity	Switch Vendor	Switch	Adapter
Windows 2003 (Microsoft, IA64)	Direct Connect			QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
	Switch Connect	Brocade	SilkWorm 12000 SilkWorm 24000 SilkWorm 3250 SilkWorm 3850	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
			SilkWorm 3900	QLogic QLA2340
		Cisco	MDS 9120 MDS 9140 MDS 9216 MDS 9506 MDS 9509	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
		McDATA	ED-6064 (1G) ED-6064 (2G) ED-6140 ES-3016 ES-3032 ES-3216 ES-3232 ES-4300 ES-4300v2 ES-4500 ES-4500v2	QLogic QLA2340 QLogic QLA2342 QLogic QLA2344

Source: Hitachi Data Systems Corporation 3/14/05
HDS SAN FAR (February 22, 2005)

Hitatchi Global Storage Technologies

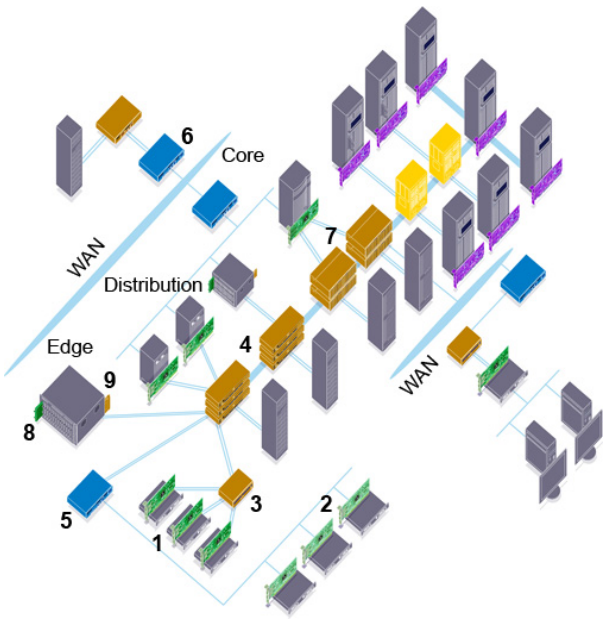
www.hitachigst.com

Hitachi GST and the QLogic Platform

Hitachi GST™ products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-247. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-247. Hitachi GST and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Hitachi GST and QLogic Interoperability Matrices

The following interoperability and embedded product information has been provided by or obtained from Hitachi Global Storage Technologies®.

- Table 2-248. Hitachi GST Hard Disk Drive Interoperability with QLogic Fibre Channel Adapters and Switches Matrix
- Table 2-249. Hitachi Global Storage 3.5 Hard Drives and QLogic Embedded Product Matrix

Table 2-248. Hitachi GST Hard Disk Drive Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Hitachi GST HDD Series	Hitachi GST HDD Model	QLogic Adapter	QLogic Switch
CJ Series 3.5 HDD	DK32CJ-18 DK32CJ-36 DK31CJ-72	QLA23*xx*	
Ultrastar DJ Series 3.5 HDD	Ultrastar DK32DJ-72 Ultrastar DK32DJ-36 Ultrastar DK32DJ-18	QLA23*xx*	
Ultrastar EJ Series 3.5 HDD	Ultrastar DK32EJ-14 Ultrastar DK32EJ-72 Ultrastar DK32EJ-36	QLA23*xx*	
Ultrastar 10K300 Series 3.5 HDD	HUS103014FLF210 HUS103030FLF210 HUS103073FLF210	QLA23*xx*	
Ultrastar 15K147 Series 3.5 HDD	HUS151414VLF200 HUS151414VLF400 HUS151436VLF200 HUS151436VLF400 HUS151473VLF200 HUS151473VLF400	QLA2310 QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462	
Ultrastar 15K 300 Series HDD	HUS153030VLF400 HUS153014VLF400 HUS153073VLF400	QLA2300 QLA2310 QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462	SB560*x*

Table 2-248. Hitachi GST Hard Disk Drive Interoperability with QLogic Fibre Channel Adapters and Switches Matrix (Continued)

Hitachi GST HDD Series	Hitachi GST HDD Model	QLogic Adapter	QLogic Switch
Ultrastar 15K450 Series HDD	HUS154545VLS300 HUS154545VLF400	QLA2300 QLA2310 QLA2340 QLA2342 QLA2462 QLE2462	SB560*x*

Source: Hitachi Global Storage Technologies 8/7/06, 03/06/09

Compatibility Summary: Hitachi Ultrastar 15K300, August 2, 2007

Compatibility Summary: Hitachi Ultrastar 15K450, April 16, 2008

Table 2-249. Hitachi Global Storage 3.5 Hard Drives and QLogic Embedded Product Matrix

Hitachi Global Storage Technologies Product	Hitachi Global Storage Hard Drive Model	QLogic Embedded Product
Hitachi CJ Fibre Channel Series 3.5 Hard Drive	DK32CJ-14-FC DK32CJ-36-FC DK32CJ-72-FC	FTEC482
Hitachi CJ SCSI Series 3.5 Hard Drive	DK32CJ-14-FC DK32CJ-36-FC DK32CJ-72-FC	TEC485
Hitachi Ultrastar DJ Fibre Channel Series 3.5 Hard Drive	Ultrastar DK32DJ-14-FC Ultrastar DK32DJ-36-FC Ultrastar DK32DJ-72-FC	FTEC482
Hitachi Ultrastar DJ SCSI Series 3.5 Hard Drive	Ultrastar DK32DJ-14-FC Ultrastar DK32DJ-36-FC Ultrastar DK32DJ-72-FC	TEC485
Hitachi Ultrastar EJ Fibre Channel Series 3.5 Hard Drive	Ultrastar DK32EJ-14-FC Ultrastar DK32EJ-36-FC Ultrastar DK32EJ-72-FC	FTEC482
Hitachi Ultrastar EJ SCSI Series 3.5 Hard Drive	Ultrastar DK32EJ-14-FC Ultrastar DK32EJ-36-FC Ultrastar DK32EJ-72-FC	TEC485

Source: Hitachi Global Storage Technologies 3/12/03

HP LeftHand P4000 SAN Solutions

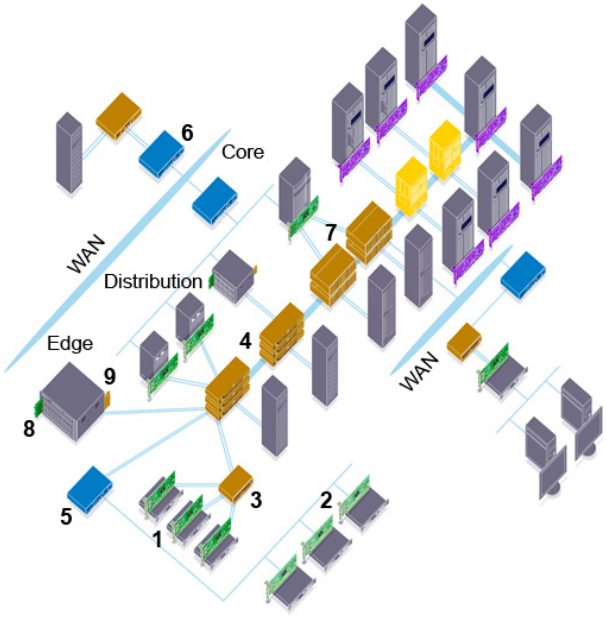
www.hp.com

HP LeftHand P4000 SAN Solutions and the QLogic Platform

HP LeftHand P4000 SAN Solutions products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-250. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-250. HP LeftHand P4000 SAN Solutions and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



HP LeftHand P4000 SAN Solutions and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from HP LeftHand P4000 SAN Solutions.

- Table 2-251. HP LeftHand P4000 SAN Solutions SAN/iQ 6.6 Interoperability with QLogic iSCSI Adapters, Fibre Channel Switches, and Routers Matrix
- Table 2-252. HP LeftHand P4000 SAN Solutions SAN/iQ Interoperability with QLogic iSCSI Adapters Matrix

Table 2-251. HP LeftHand P4000 SAN Solutions SAN/iQ 6.6 Interoperability with QLogic iSCSI Adapters, Fibre Channel Switches, and Routers Matrix

HP LeftHand P4000 SAN Solutions Product	Operating System	QLogic Adapter	QLogic Switch	QLogic Router
SAN/iQ Storage Clustering Software Clustered Open iSCSI SAN iSCSI SANs Powered by LeftHand's SAN/iQ Software and HP ProLiant DL380 Servers Network Storage Module (NSM 200) NSM 260 Network Storage Module (NSM 100) NSM 160	Red Hat Linux (32-Bit and 64-Bit)	QLA4010 QLA4010C QLA405x (32-Bit only)		
	SUSE Linux (32-Bit and 64-Bit)	QLA4010 QLA4010C		
	Solaris (SPARC, x86)	QLA4010 QLA4010C		
	Windows 2000 XP Professional, Windows Server 2003 (32-Bit and 64-Bit)	QLA4010, QLA4010C, QLA405x (32-Bit only)		
Network Storage Module (NSM 100), NSM 150	Red Hat Linux (32-Bit, 64-Bit)	QLA4010 QLA4010 QLA405x (32-Bit only)		
	Red Hat Linux AS 4.0	QLA4052C	SB1400 SB9000	iSR6140 iSR6142
	SUSE Linux (32-Bit and 64-Bit)	QLA4010 QLA4010C		
	Solaris (SPARC, x86)	QLA4010 QLA4010C		
	Windows 2003 R2	QLA4052C	SB9000	iSR6140 iSR6142

Table 2-251. HP LeftHand P4000 SAN Solutions SAN/iQ 6.6 Interoperability with QLogic iSCSI Adapters, Fibre Channel Switches, and Routers Matrix (Continued)

HP LeftHand P4000 SAN Solutions Product	Operating System	QLogic Adapter	QLogic Switch	QLogic Router
Network Storage Module (NSM 100), NSM 150 (Continued)	Windows 2000 XP Professional, Windows Server 2003 (32-Bit and 64-Bit)	QLA4010, QLA4010C, QLA405xC (32-Bit only)		
NSM 150	Red Hat AS 4.0 Windows 2003 SP2	QLE406xC, Dual Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)	SB560*x* SB9000	iSR6140

Source: LeftHand Networks 11/29/06; QLogic 4/18/07, 5/16/07, 1/15/08, 7/8/08

QLogic 4Gb LTO-3 Tape Drive Regression Testing, QLogic Network Certification Lab. November 2, 2006

QLogic NetApp VTL iSCSI Testing Report, QLogic Network Certification Lab. January 25, 2007

QLE4062 SVT Testing Report, QLogic Network Certification Lab. October 30, 2007

Additional Updates

Table 2-252. HP LeftHand P4000 SAN Solutions SAN/iQ Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter	SAN/iQ Version		
		6.6	7.0	8.0
Windows Server 2000	QLA4010 QLA4010C		X	
Windows Server 2003	QLA4010 QLA4010C	X	X	
	QLA4050C QLA4052C	X	X	
	QLE4060C [a] QLE4062C[a] Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)		X	X
Windows Server 2008	QLE4060C[a] QLE4062C[a] Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)		X	X

Table 2-252. HP LeftHand P4000 SAN Solutions SAN/iQ Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter	SAN/iQ Version		
		6.6	7.0	8.0
SUSE Linux	QLA4010 QLA4010C	X	X	
	QLE4060C[a] QLE4062C[a] Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)		X	X
Red Hat Enterprise Linux 4.0	QLA4010 QLA4010C	X	X	
Red Hat Enterprise Linux 5.0	QLE4060C[a] QLE4062C[a] Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)		X	X

Table Notes
[a] Supports boot from SAN.

Source: LeftHand Networks 2/11/09; QLogic 2/11/09

LeftHand Networks SAN/IQ Compatibility Matrix, January 6, 2009

HP PolyServe

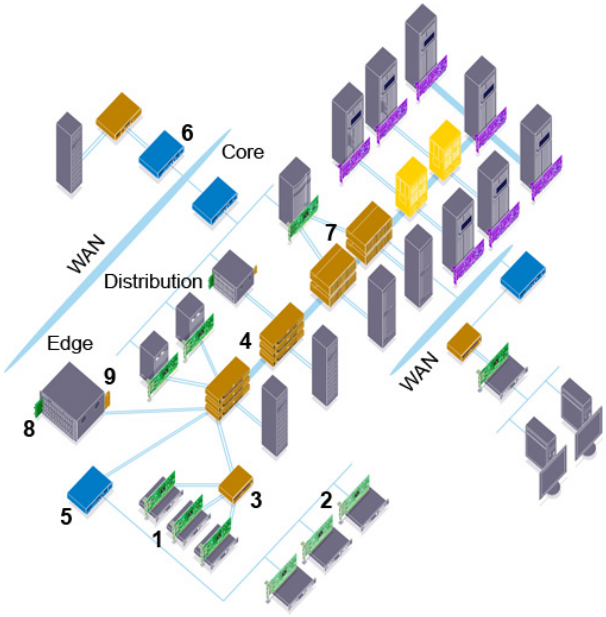
www.polyserve.com

HP PolyServe and the QLogic Platform

HP PolyServe products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-253. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-253. HP PolyServe and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



HP PolyServe and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from HP PolyServe.

Table 2-254. HP PolyServe Matrix Server Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

HP PolyServe Product	Operating System	QLogic Adapter	Switches
Matrix Server 2.5.0	Windows 2000 Server or Advanced Server SP3, SP4 Windows 2003 Standard or Enterprise Edition	QLA23*xx*	Brocade 2*xxx* series, 3*xxx* series, 12000 Director Cisco MDS 9000 series, MDS 9124; McDATA Sphereon 3000 series, 4000 series, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 2.6.3	Red Hat Enterprise Linux AS/ES 3.0 SUSE Linux Enterprise Server 8	QLA23*xx*	Brocade 2*xxx* series, 3*xxx* series, 12000 Director Cisco MDS 9000 series, MDS 9124 EMC MDS 9000 series HP MSA1000 McDATA Sphereon 3000 series, 4000 series, Intrepid 6000 series QLogic SB520*x*, SB560*x*
Matrix Server 2.7.0 Matrix Server 2.7.2	Red Hat Enterprise Linux AS/ES 3.0 SUSE Linux Enterprise Server 8	QLA23*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, 12000 Director; Cisco MDS 9000 series, MDS 9124; EMC MDS 9000 series; HP MSA1000; McDATA Sphereon 3000 series, 4000 series, 4300, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
	Windows 2000 Server or Advanced Server Windows 2003 Standard or Enterprise Edition	QLA23*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, 12000 Director; Cisco MDS 9000 series, MDS 9124; McDATA Sphereon 3000 series, 4000 series, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 3.0.0 Matrix Server 3.0.1	SUSE Linux Enterprise Server 9	QLA23*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, 12000 Director, embedded in HP MSA 1000; Cisco MDS 9000 series, MDS 9124; EMC MDS 9000 series; McDATA Sphereon 3000 series, 4000 series, 4300, Intrepid 6000 series; QLogic SB520*x*, SB560*x*

Table 2-254. HP PolyServe Matrix Server Interoperability with QLogic Fibre Channel Adapters and Switches Matrix (Continued)

HP PolyServe Product	Operating System	QLogic Adapter	Switches
Matrix Server 3.1.0	Red Hat Enterprise Linux AS/ES 4.0 SUSE Linux Enterprise Server 9	QLA23*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, 12000 Director, embedded in HP MSA 1000; Cisco MDS 9000 series, MDS 9124; EMC MDS 9000 series; McDATA Sphereon 3000 series, 4000 series, 4300, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 3.1.1	Red Hat Enterprise Linux AS/ES 4.0 SUSE Linux Enterprise Server 9	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 4100, 12000 Director, embedded in HP MSA1000; Cisco MDS 9000 series; EMC MDS 9000 series; McDATA Sphereon 3000 series, 4000 series, 4300, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 3.1.2	Red Hat Enterprise Linux AS/ES 4.0 SUSE Linux Enterprise Server (SLES) 9	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 4100, 12000 Director, embedded in HP MSA1000; Cisco MDS 9000 series, MDS 9142; EMC MDS 9000 series; McDATA Sphereon 3000 series, 4000 series, 4300, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 3.2.1	Windows 2003 Standard or Enterprise Edition	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, 12000 Director; Cisco MDS 9000 series, MDS 9142; McDATA Sphereon 3000 series, 4000 series, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 3.4.0	Windows 2003 SP2 Standard or Enterprise Edition (64-Bit); Windows 2003 R2 SP2 Standard or Enterprise Edition (64-Bit)	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, E200, 12000 Director; Cisco MDS 9000 series, MDS 9142; McDATA Sphereon 3000 series, 4000 series, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
Matrix Server 3.5.1	Red Hat Enterprise Linux 4.0 SUSE Linux Enterprise Server (SLES) 9	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, E200, 12000 Director, embedded in HP MSA 1000; Cisco MDS 9000 series, MDS 9142; EMC MDS 9000 series; McDATA Sphereon 3000 series, 4000 series, 4300, 4500, Intrepid 6000 series; QLogic SB520*x*, SB560*x*

Table 2-254. HP PolyServe Matrix Server Interoperability with QLogic Fibre Channel Adapters and Switches Matrix (Continued)

HP PolyServe Product	Operating System	QLogic Adapter	Switches
Matrix Server 3.6.0	Windows 2003 SP2 Standard or Enterprise Edition (32-Bit and 64-Bit); Windows 2003 R2 SP2 Standard or Enterprise Edition (32-Bit and 64-Bit)	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, E200, 12000 Director; Cisco MDS 9000 series, MDS 9142; McDATA Sphereon 3000 series, 4000 series, Intrepid 6000 series; QLogic SB520*x*, SB560*x*
PolyServe File Serving Utility 3.5.0 (Matrix Server 3.5.0 and MxFS-Linux 3.5.0)	Red Hat Enterprise Linux AS/ES 4.0	QLA23*xx* QLA24*xx*	Brocade 2*xxx* series, 3*xxx* series, 3*x*50, 4100, E200, 12000 Director, embedded in HP MSA 1000; Cisco MDS 9000 series, MDS 9142; EMC MDS 9000 series; McDATA Sphereon 3000 series, 4000 series, 4300, Intrepid 6000 series; QLogic SB520*x*, SB560*x*

Source: HP PolyServe 4/1/08

PolyServe Hardware and Software Compatibility Guide, December 21, 2007. HP PolyServe.

IBM

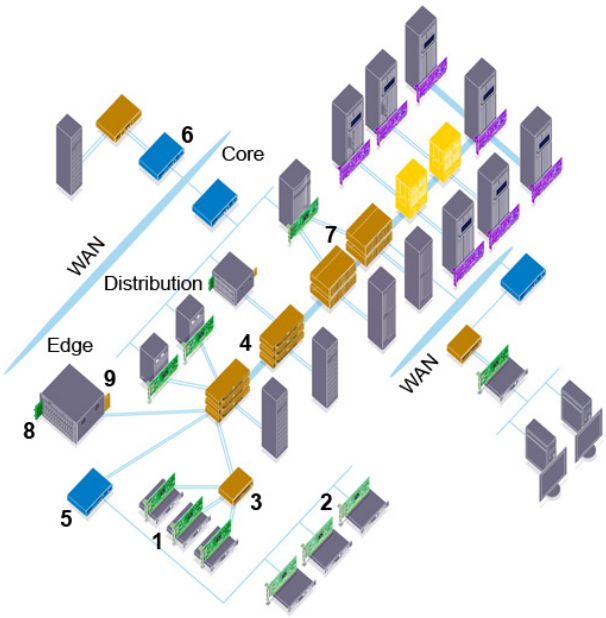
www.ibm.com

IBM and the QLogic Platform

International Business Machines (IBM) Corporation products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-255. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-255. IBM and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



IBM and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from IBM.

- Table 2-256. IBM System x Interoperability with QLogic Fibre Channel Adapters
- Table 2-257. IBM System x Interoperability with QLogic iSCSI Adapters
- Table 2-258. IBM Intel Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters
- Table 2-259. IBM AMD Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters
- Table 2-260. IBM POWER6 Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters
- Table 2-261. IBM BladeCenter Server Chassis Server Interoperability with QLogic Switches

Table 2-256. IBM System x Interoperability with QLogic Fibre Channel Adapters

QLogic Adapter	Operating System	System x Server														
		x3850M2/x3950M2 (7233)	x3850M2/x3950M2 (7141)	x3755 (7163)	x3650M2 (7947)	x3650 (7979)	x3550M2 (7946)	x3550 (7978)	x3500M2 (7839)	x3455 (7940, 7941)	x3400M2 (7836, 7837)	x3350 (4192, 4193)	x3250M3 (4251, 4252)	x3250M2 (4190, 4191, 4194)	x3200M3 (7327, 7328)	x3200M2 (4367, 4368)
IBM 39R6525 (QLogic QLE2460) IBM 39R6527 (QLogic QLE2462)	Microsoft Windows 2003	X	X	X	X	X	X	X				X		X		X
	Microsoft Windows 2008	X	X	X	X	X	X	X	X	X	X			X		X
	NetWare			X		X		X				X		X		
	Red Hat Enterprise Linux	X	X	X	X	X	X	X				X		X		X
	SuSE Linux Enterprise Server	X	X	X	X	X	X	X	X	X	X	X		X		X
	VMware ESX	X	X	X	X	X	X	X						X		X
	VMware EXSi	X	X		X		X							X		X

Table 2-256. IBM System x Interoperability with QLogic Fibre Channel Adapters (Continued)

QLogic Adapter	Operating System	System x Server														
		x3850M2/x3950M2 (7233)	x3850M2/x3950M2 (7141)	x3755 (7163)	x3650M2 (7947)	x3650 (7979)	x3550M2 (7946)	x3550 (7978)	x3500M2 (7839)	x3455 (7940, 7941)	x3400M2 (7836, 7837)	x3350 (4192, 4193)	x3250M3 (4251, 4252)	x3250M2 (4190, 4191, 4194)	x3200M3 (7327, 7328)	x3200M2 (4367, 4368)
IBM 42D0501 (QLogic QLE2560) IBM 42D0510 (QLogic QLE2562)	Microsoft Windows 2003	X	X	X	X	X	X	X		X		X	X	X	X	X
	Microsoft Windows 2008	X	X	X	X	X	X	X	X		X	X	X	X	X	X
	Red Hat Enterprise Linux	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	SuSE Linux Enterprise Server	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	VMware ESX	X	X	X	X	X	X	X				X		X		X
	VMware EXSi	X	X													

Source: IBM 3/15/10

See IBM ServerProven at http://www-03.ibm.com/servers/eserver/serverproven/compat/us/.

Table 2-257. IBM System x Interoperability with QLogic iSCSI Adapters

QLogic Adapter	Operating System	System x Server														
		x3850M2/x3950M2 (7233)	x3850M2/x3950M2 (7141)	x3755 (7163)	x3650M2 (7947)	x3650 (7979)	x3550M2 (7946)	x3550 (7978)	x3500M2 (7839)	x3455 (7940, 7941)	x3400M2 (7836, 7837)	x3350 (4192, 4193)	x3250M3 (4251, 4252)	x3250M2 (4190, 4191, 4194)	x3200M3 (7327, 7328)	x3200M2 (4367, 4368)
IBM 39Y6146 (QLogic QLE4060C)	Microsoft Windows 2003	X	X	X	X	X	X	X	X	X	X	X	X		X	X
	Microsoft Windows 2008	X	X	X	X		X	X	X		X	X	X	X	X	X
	NetWare	X		X												
	Red Hat Enterprise Linux	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Table 2-257. IBM System x Interoperability with QLogic iSCSI Adapters (Continued)

QLogic Adapter	Operating System	System x Server														
		x3850M2/x3950M2 (7233)	x3850M2/x3950M2 (7141)	x3755 (7163)	x3650M2 (7947)	x3650 (7979)	x3550M2 (7946)	x3550 (7978)	x3500M2 (7839)	x3455 (7940, 7941)	x3400M2 (7836, 7837)	x3350 (4192, 4193)	x3250M3 (4251, 4252)	x3250M2 (4190, 4191, 4194)	x3200M3 (7327, 7328)	x3200M2 (4367, 4368)
IBM 39Y6146 (QLogic QLE4060C) (Continued)	SuSE Linux Enterprise Server	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	VMware ESX	X	X	X	X	X	X	X	X	X	X	X		X		X
	VMware EXSi	X	X	X	X	X	X	X	X		X	X		X		X
IBM 42C1770 (QLogic QLE4062C)	Microsoft Windows 2003	X	X	X	X	X	X	X	X	X	X	x	X		X	X
	Microsoft Windows 2008	X	X	X	X	X	X	X	X		X	x	X	X	X	X
	Netware			X												
	Red Hat Enterprise Linux	X	X	X	X	X	X	X	X	X	X	x	X	X	X	X
	Solaris 10	X														
	SuSE Linux Enterprise Server	X	X	X	X	X	X	X	X	X	X	x	X	X	X	X
	VMware ESX	X	X	X	X	X	X	X	X		X	x				
	VMware EXSi	X	X		X	X	X	X	X		X	x				

Source: IBM 3/15/10

See IBM ServerProven at http://www-03.ibm.com/servers/eserver/serverproven/compat/us/.

Table 2-258. IBM Intel Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters

IBM Server	QLogic Adapter	Operating System
BladeCenter HS12 (8014) BladeCenter HS12 (8028)	IBM 39Y9306 (QLogic QMI3472) IBM 41Y8527 (QLogic QMI2472) IBM 44x1940 (QLogic QMI3572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX

Table 2-258. IBM Intel Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters (Continued)

IBM Server	QLogic Adapter	Operating System
BladeCenter HS21 (8853)	IBM 26R0890 (QLogic QMC2462S) IBM 39Y9306 (QLogic QMI3472) IBM 41Y8527 (QLogic QMI2472) IBM 44x1940 (QLogic QMI3572)	Microsoft Windows 2000 Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX VMware EXSi
BladeCenter HS21 XM (7995)	IBM 26R0890 (QLogic QMC2462S) IBM 39Y9306 (QLogic QMI3472) IBM 41Y8527 (QLogic QMI2472) IBM 44x1940 (QLogic QMI3572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX, VMware EXSi
BladeCenter HS22 (7870,7809) BladeCenter HS22V (7871)	IBM 44x1940 (QLogic QMI3572) IBM 44x1945 (QLogic QMI2582) IBM 46M6065 (QLogic QMI2572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX VMware EXSi

Source: IBM 3/15/10

See IBM ServerProven at http://www-03.ibm.com/servers/eserver/serverproven/compat/us/.

Table 2-259. IBM AMD Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters

IBM Server	QLogic Adapter	Operating System
BladeCenter LS21 (7971)	IBM 26R0890 (QLogic QMC2462S) IBM 39Y9306 (QLogic QMI3472) IBM 41Y8527 (QLogic QMI2472) IBM 44x1940 (QLogic QMI3572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX VMware EXSi

Table 2-259. IBM AMD Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters (Continued)

IBM Server	QLogic Adapter	Operating System
BladeCenter LS22 (7901)	IBM 39Y9306 (QLogic QMI3472) IBM 44X1940 (QLogic QMI3572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX
	IBM 41Y8527 (QLogic QMI2472)	Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server Solaris 10 VMware
BladeCenter LS41 (7972)	IBM 26R0890 (QLogic QMC2462S)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX VMware EXSi
	IBM 39Y9306 (QLogic QMI3472)	Microsoft Windows 2003 Microsoft Windows 2008 NetWare Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX VMware EXSi
	QLogic 41Y8527 (QMI2472)	Microsoft Windows 2003 Microsoft Windows 2008 NetWare Red Hat Enterprise Linux Solaris 10 SuSE Linux Enterprise Server VMware ESX VMware EXSi
	IBM 44X1940 (QLogic QMI3572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX

Table 2-259. IBM AMD Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters (Continued)

IBM Server	QLogic Adapter	Operating System
BladeCenter LS42 (7902)	IBM 39Y9306 (QLogic QMI3472)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux Solaris 10 SuSE Linux Enterprise Server VMware ESX
	IBM 41Y8527 (QLogic QMI2472)	Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX
	IBM 44X1940 (QLogic QMI3572)	Microsoft Windows 2003 Microsoft Windows 2008 Red Hat Enterprise Linux SuSE Linux Enterprise Server VMware ESX

Source: IBM 3/15/10

See IBM ServerProven at http://www-03.ibm.com/servers/eserver/serverproven/compat/us/.

Table 2-260. IBM POWER6 Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters

IBM Server	QLogic Adapter	Operating System
BladeCenter JS12 (7998-60X) BladeCenter JS22 (7998)	IBM 39Y9306 (QLogic QMI3472)	IBM AIX SL for POWER IBM I Operating System Red Hat Enterprise Linux SuSE Linux Enterprise Server
	IBM 41Y8527 (QLogic QMI2472)	IBM AIX SL for POWER Red Hat Enterprise Linux SuSE Linux Enterprise Server
	IBM 44x1940 (QLogic QMI3572)	IBM AIX IBM AIX SL for POWER Red Hat Enterprise Linux SuSE Linux Enterprise Server

Table 2-260. IBM POWER6 Processor-Based BladeCenter Server Interoperability with QLogic Fibre Channel Adapters (Continued)

IBM Server	QLogic Adapter	Operating System
BladeCenter JS23/JS43 (7778)	IBM 39Y9306 (QLogic QMI3472) IBM 44x1945 (QLogic QMI2582) IBM 46M6065 (QLogic QMI2572)	IBM AIX IBM AIX SL for POWER IBM I Operating System IBM Virtual I/O Server Red Hat Enterprise Linux SuSE Linux Enterprise Server
	IBM 44x1940 (QLogic QMI3572)	Red Hat Enterprise Linux

Source: IBM 3/15/10

See IBM ServerProven at http://www-03.ibm.com/servers/eserver/serverproven/compat/us/.

Table 2-261. IBM BladeCenter Server Chassis Server Interoperability with QLogic Switches

IBM Server	QLogic Switch	
	Product Type	IBM Option
BladeCenter E (8677) BladeCenter H (8852,7989) BladeCenter T - AC (8730) BladeCenter T - DC (8720) BladeCenter HT - AC (8750) BladeCenter HT - DC (8740)	Fibre Channel	IBM 26R0881 (QLogic 20-port 4Gb Fibre Channel Switch Module for IBM BladeCenter) IBM 32R1904 (QLogic 10-port 4Gb Fibre Channel Switch Module for IBM BladeCenter) IBM 43W6724 (QLogic 4Gb FC 10-port Full Fabric Switch) IBM 43W6725 (QLogic 4Gb FC 20-port Full Fabric Switch) IBM 44X1905 (QLogic 20-port 8Gb SAN Switch Module for IBM BladeCenter®)
	Passthrough	IBM 43W6723 (QLogic 4Gb FC 20-port Pass-thru Switch) IBM 44X1907 (QLogic 8Gb Intelligent Pass-thru Module for IBM BladeCenter®)
BladeCenter S (7779, 8886)	Fibre Channel	IBM 43W6724 (QLogic 4Gb FC 10-port Full Fabric Switch) IBM 44X1905 (QLogic 20-port 8Gb SAN Switch Module for IBM BladeCenter®)
	Passthrough	IBM 43W6723 (QLogic 4Gb FC 20-port Pass-thru Switch) IBM 44X1907 (QLogic 8Gb Intelligent Pass-thru Module for IBM BladeCenter®)

Source: IBM 3/15/10

See IBM ServerProven at http://www-03.ibm.com/servers/eserver/serverproven/compat/us/.

Infortrend

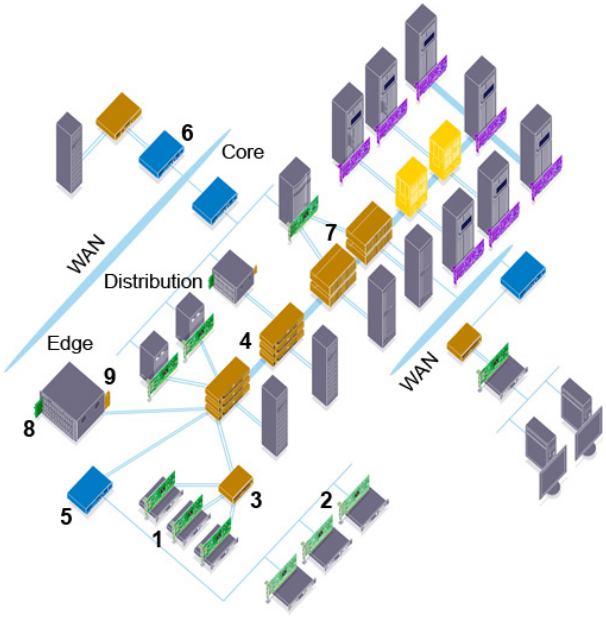
www.infortrend.com

Infortrend and the QLogic Platform

Infortrend products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-262. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-262. Infortrend and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Infortrend and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Infortrend.

- Table 2-263. Infortrend Product Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-264. Infortrend Product Interoperability with QLogic Fibre Channel Switches and Routers Matrix

The following matrix contains products that use QLogic chips as part of their embedded solutions.

- Table 2-265. Infortrend and QLogic Embedded Products Matrix

Table 2-263. Infortrend Product Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter	Operating System	Infortrend Product	
QLA2342	Linux Windows	Fibre to SATA	A24F-G2430
		Fibre to SAS/SATA	S12F-G1420 S12F-R1420 S16F-G1430
		Fibre to Fibre	F16F-R4031 F16F-S4031
QLA2462	Linux Windows Server 2003	Fibre to SATA	A08F-G2422 A12F-G2422 A16F-G2430 A16F-R2431 A24F-G2430 A24F-R2430
		Fibre to SAS/SATA	S12F-G1420 S12F-R1420 S12F-R1432 S16F-G1430 S16F-R1430
		Fibre to Fibre	F16F-R4031 F16F-S4031
		Fibre Head	FF-R4030 FF-S4030
		Fibre to 2.5" SAS	B12F-G1430 B12F-R1430

Table 2-263. Infortrend Product Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Infortrend Product	
QLE2462	Linux Windows Server 2003	Fibre to SATA	A08F-G2422 A12F-G2422 A16F-G2430 A16F-R2431 A24F-G2430 A24F-R2430
		Fibre to SAS/SATA	S12F-R1432 S16F-G1430 S16F-R1430
		Fibre to Fibre	F16F-R4031
		Fibre Head	FF-R4030 FF-S4030
		Fibre to 2.5" SAS	B12F-G1430 B12F-R1430
QLE256*x* Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	Red Hat Enterprise Linux 4.5 Red Hat Linux Server 5.1 64-Bit Solaris SPARC 10 SUSE SLES 10 SP1 64-Bit Windows Server 2003 64-Bit Windows Server 2008 64-Bit	Fibre to SATA	A08F-G2422 A12F-G2422 A16F-G2430 A16F-R2431 A24F-G2430 A24F-R2430
		Fibre to SAS/SATA	S12F-G1840 S16F-G1430 S16F-R1430
		Fibre to SAS/SAST	S12F-G1433 S12F-R1432
		Fibre to Fibre	F16F-J4000-R F16F-R4031 F16F-S4031
		Fibre Head	FF-R4030 FF-S4030
		Fibre to 2.5" SAS	B12F-G1430 B12F-R1430

Table 2-263. Infortrend Product Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

QLogic Adapter	Operating System	Infortrend Product	
QLE406*x*C	Red Hat Enterprise Linux 4 Update 4 Solaris 10 SUSE SLES 10 Windows 2003 SP2	iSCSI to SAS	S12E-R1132 S16E-G1130 S16E-R1130
		iSCSI to SATA	A12E-G2121 A16E-G2130

Source: Infortrend 5/30/08, 8/8/08, 8/25/08; QLogic 1/27/09, 2/25/10

Table 2-264. Infortrend Product Interoperability with QLogic Fibre Channel Switches and Routers Matrix

QLogic Switch	Infortrend Product
SB1400 Switches	A08F-G2221 A12F-G2221 A16F-G2221 A16F-R2221 A16F-G2422 A24F-G2224 A24F-R2224 F16F-R2A2 FF-R2021-4 FF-R2021-6 FF-S2021-4 FF-S2021-6 S12F-G1420 S12F-R1420
SB520*x* Switches	A16F series
SB560x Switches	A24F-G2224

Table 2-264. Infortrend Product Interoperability with QLogic Fibre Channel Switches and Routers Matrix (Continued)

QLogic Switch	Infortrend Product
SB580*x*V Switches SB9008V Switches	A08F-G2422 A12F-G2422 A16F-G2430 A16F-R2431 A24F-G2430 A24F-R2430 B12F-G1430 B12F-R1430 F16F-J4000-R F16F-R4031 F16F-S4031 FF-R4030 FF-S4030 S12F-G1433 S12F-R1432 S12F-R1840 S16F-G1430 S16F-R1430
SB9000 Switches	A16F-G2430 A16F-R2221 A24F-G2224 S12F-R1420 S12F-R1840
iSR6140 Routers	F16F-R2021-6

Source: Infortrend 12/11/06, 8/8/08; QLogic 10/23/08

Table 2-265. Infortrend and QLogic Embedded Products Matrix

Infortrend Product	Embedded QLogic Product
5251F EonRAID 2510FS series EonSTOR A16F-R EonSTOR F16F	ISP2312
3250R 3250S EonSTOR A16F-R	ISP2310
5200 EonRAID 2000 EonRAID 2000R EonRAID 2500 EonRAID 2500E EonRAID 2500R	ISP2200

Source: Infortrend Technology, Inc. 3/26/03

Intransa

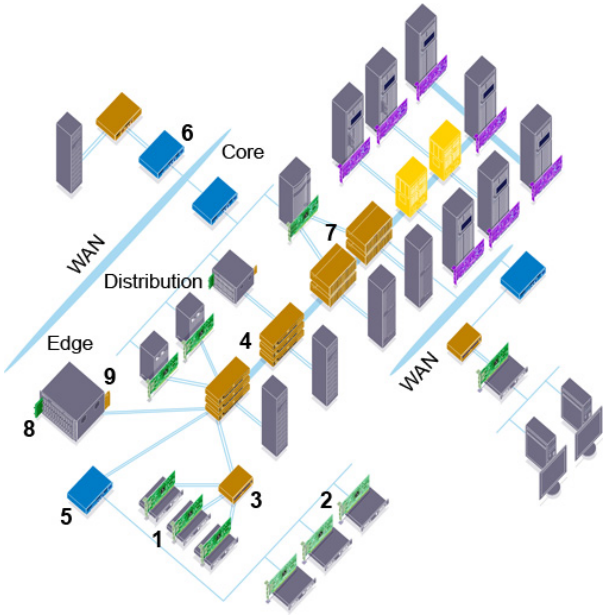
www.intransa.com

Intransa and the QLogic Platform

Intransa® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-266. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-266. Intransa and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Intransa and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Intransa.

Table 2-267. Intransa IP SAN Switch Interoperability with QLogic iSCSI Adapters Matrix

Intransa Product	Operating System	QLogic Adapter
StorStac products StorControl products	Solaris 10 Update 2 SUSE Enterprise 9 SP3 Windows 2003 R2	QLA4010C
IP2000i iSCSI SATA RAID Array	Windows 2003 SP2/R2 Enterprise	QLA4050C
IP5000 SAN Storage System	Red Hat Linux 9 Solaris 9 Windows 2000 Windows 2003	QLA4010C

Source: Intransa, Inc. 7/7/04, 3/9/07

Intransa IP SAN Switch & iSCSI Interoperability List - Effective Date: 2 March 2007, Intransa

iStor

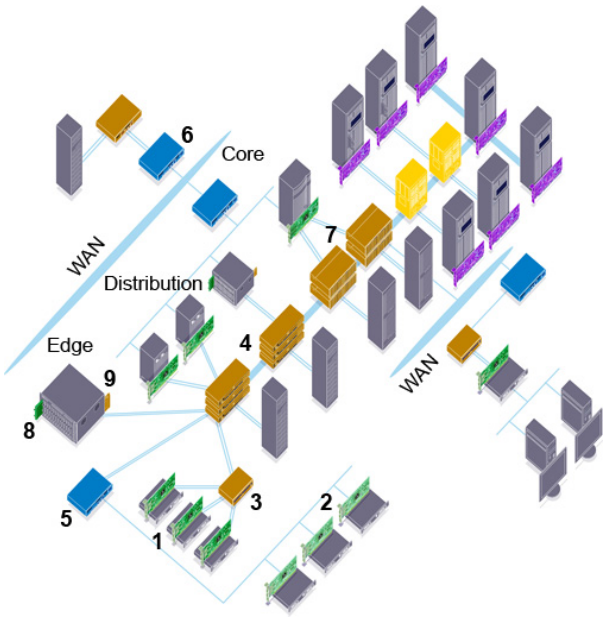
www.istor.com

iStor and the QLogic Platform

iStor products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-268. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-268. iStor and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



iStor and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from iStor.

Table 2-269. iStor Product Interoperability with QLogic iSCSI Adapters Matrix

iStor Product	Operating System	QLogic Adapter
GigaStorATX 816 GigaStorATX 1016	Red Hat Linux 7.3 (32-Bit) Red Hat Linux ES 4/Update 4 (32-Bit and 64-Bit) SUSE Linux 10.2 Windows 2000 AS SP4 Windows Server 2003 Standard SP1 (32-Bit and 64-Bit) Windows Server 2003 Standard R2 (32-Bit and 64-Bit) Windows Server 2003 Enterprise SP1 (32-Bit and 64-Bit) Windows Server 2003 Enterprise R2 (32-Bit and 64-Bit)	QLA4010C QLA4052C
integraStor iS512	AIX 5L Mac OS X (10.4.7, 10.4.8, 10.4.10) Red Hat 7.3 Red Hat Enterprise AS 4 update 4 Solaris 10 SUSE Professional 9.3 32-Bit SUSE Enterprise Server 10.2 (32-Bit) VMware ESX Server 3.0.2, 3.5 Windows 2000 Advanced Server Windows Server 2003 Standard R2 (32-Bit and 64-Bit) Windows Server 2003 Enterprise R2 (32-Bit and 64-Bit) Windows Server 2003 Standard SP1 R2 (32-Bit and 64-Bit) Windows Server 2003 Enterprise SP1 R2 (32-Bit and 64-Bit) Windows Vista Enterprise (32-Bit and 64-Bit) Windows Vista Ultimate (32-Bit and 64-Bit) Windows XP Pro (32-Bit and 64-Bit)	QLA4010C QLA4052C QLE4062C Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)

Source: iStor 4/5/07, 4/30/08; QLogic 7/8/08

iQstor

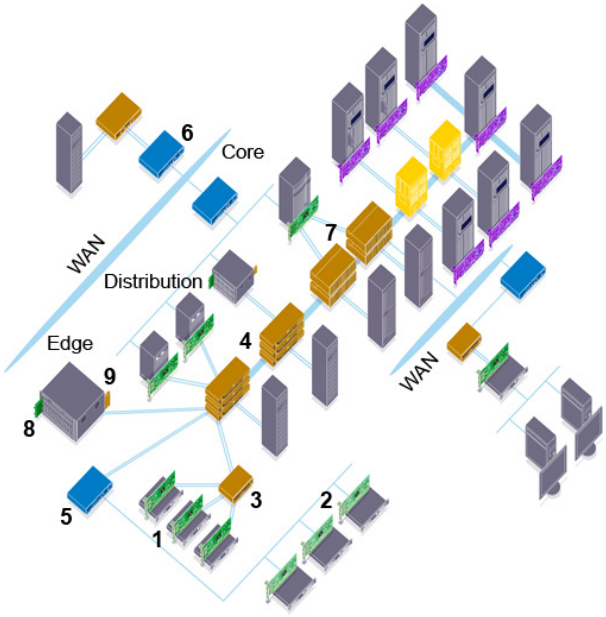
www.iqstor.com

iQstor and the QLogic Platform

iQstor™ products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-270. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-270. iQstor and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



iQstor and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from iQstor.

Table 2-271. iQstor Storage System Interoperability with QLogic iSCSI and Fibre Channel Adapters, Fibre Channel Switches, and Routers Matrix

iQstor Product	Operating System	QLogic Adapter	QLogic Switch	QLogic Router
iQ1000 (2Gb Fibre Channel–Fibre Channel)	Linux Solaris	QLA2310 QLA2340 QLA2342	SB520*x* SB560*x*	
	Windows	QLA2310 QLA2340 QLA2342	SB520*x* SB560*x*	iSR6140
iQ1200 (2Gb Fibre Channel–SATA)	Linux Solaris	QLA2310 QLA2340 QLA2342	SB520*x* SB560*x*	
	Windows	QLA2310 QLA2340 QLA2342	SB520*x* SB560*x*	iSR6140
iQ1210 (Fibre Channel–SATA)	Linux Solaris	QLA4010C QLA4050C QLA4052C	SB520*x* SB560*x*	
	Windows	QLA4010C QLA4050C QLA4052C	SB520*x* SB560*x*	iSR6140
iQ1250 (iSCSI-SATA)	Linux Solaris Windows	QLA4010C QLA4050C QLA4052C		
iQ2280 (4Gb Fibre Channel–SATA2)	Linux	QLA246*x* QLE246*x*	SB1400 SB520*x* SB560*x* SB9000	
	Windows	QLA246*x* QLE246*x* QLE256*x* Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB1400 SB520*x* SB560*x* SB9000	

Table 2-271. iQstor Storage System Interoperability with QLogic iSCSI and Fibre Channel Adapters, Fibre Channel Switches, and Routers Matrix (Continued)

iQstor Product	Operating System	QLogic Adapter	QLogic Switch	QLogic Router
iQ2850 iSCSI Storage System	Linux Windows	QLE406*x*C HP Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)		
iQ2880 (4Gb Fibre Channel –Fibre Channel)	Linux	QLA246*x* QLE246*x*	SB1400 SB520*x* SB560*x* SB9000	
	Windows	QLA246*x* QLE246*x* QLE256*x* Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB1400 SB520*x* SB560*x* SB9000	
J2880 (4Gb Fibre Channel –Fibre Channel SBOD)	Linux	QLA246*x* QLE246*x*	SB560*x*	
	Windows	QLA246*x* QLE246*x* QLE256*x* Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB560*x*	

Source: iQstor 7/26/06, 5/21/07, 6/4/07, 4/30/08, 5/4/08; QLogic 7/8/08, 1/27/09

LSI

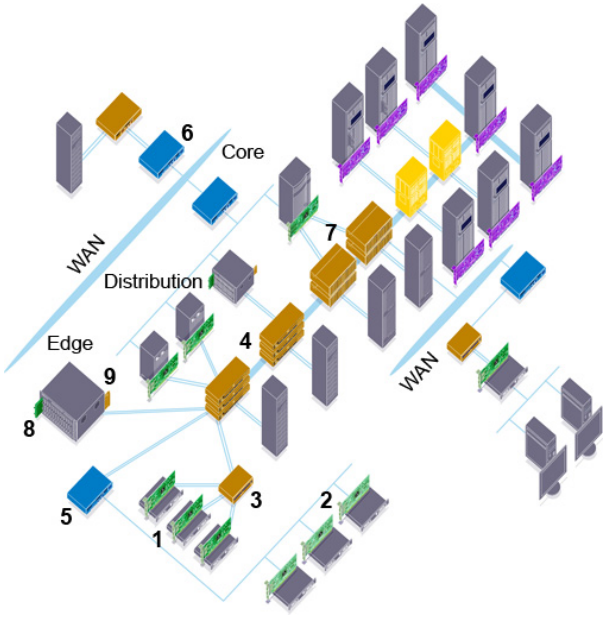
www.lsi.com

LSI and the QLogic Platform

LSI Corporation products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-272. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-272. LSI and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



LSI and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from LSI™.

- Table 2-273. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix
- Table 2-274. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Fibre Channel Switches Matrix
- Table 2-275. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Routers Matrix

Table 2-273. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix

Operating System	QLogic Adapter
RHEL AP 5.2	QLE2460
RHEL AP 5.3, 5.4	QLE2460, QLE4060C, QLE4062C
RHEL AS 4.8	QLE2460, QLE2560
SLES 9.0 SP4, (IA32)	QLE2460, QLE2560, QLE4060C, QLE4062C
SLES 10.2, (IA32)	QLE2460, QLE2560, QLE4060C, QLE4062C
SLES 10.2 (IA64)	QLE2460, QLE2560
SLES 10.3, (IA32), (IA64)	QLE2460, QLE2560
SLES 11.0, (IA32), (IA64)	QLE2460, QLE2560
NetWare 6.5 SP8	QLE2460, QLE2560
Solaris 2.9 SPARC	QLA2460, QLA2462
Solaris 2.10 SPARC, U7	QLA2462, QLE2460, QLE2560
Solaris 2.10 SPARC U8	QLA2462, QLE2560
Solaris 2.10 (x86), U7	QLA2462, QLE2560
Solaris 2.10 (x86) U8	QLA2460, QLA2462, QLE2560
VMWare ESX 3.5 U3, U4	QLE2460, QLE2560
VMWare ESX 4.0	QLE2460, QLE2560
Windows Server 2003	QLA2460, QLA2462, QLE2460, QLE2560
Windows Server 2003 (IA32)	QLA2460, QLA2462, QLE2460
Windows Server 2003 (IA64)	QLA2462
Windows Server 2008 SP1, SP2	QLA2462, QLE2460

Table 2-273. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Fibre Channel and iSCSI Adapters Matrix (Continued)

Operating System	QLogic Adapter
Windows Server 2008 SP1 (IA32)	QLE2460
Windows Server 2008 SP2 (IA32)	QLA2462, QLE2460
Windows Server 2008 SP1 (IA64), SP2 (IA64)	QLA2462
Windows Server 2008 R2, R2 (IA64)	QLA2462, QLE2460

Source: LSI 2/25/10

Engenio Storage Systems Compatibility Matrix http://www.lsi.com/compatibilitymatrix/

Table 2-274. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Fibre Channel Switches Matrix

Operating System	QLogic Switch
AIX 5.2, 5.3, 6.1	SB5602, SB5802, SB9000
HPUX (PARISC) B.11.23, B.11.31	SB5602, SB5802, SB9000
HP B.11.23, B.11.31	SB5602, SB5802
IRIX 6.5.30	SB5602, SB5802, SB9000
RHL AP 5.2, (IA32), (IA64)	SB5602, SB5802, SB9000
RHL AP 5.3, (IA32), (IA64) RHL AP 5.4, (IA32) (IA64)	SB5602, SB5802
RHL AS 4.7, (IA32), (IA64)	SB5602, SB5802, SB9000
RHL AS 4.8, (IA32), (IA64)	SB5602, SB5802
SLES 9	SB5602, SB5802
SLES 9 (IA32), (IA64)	SB5602, SB5802, SB9000
SLES 10.2, (IA32), (IA64)	SB5602, SB5802, SB9000
SLES 10.3, (IA32), (IA64)	SB5602, SB5802
SLES 11, (IA32), (IA64)	SB5602, SB5802
NetWare 6.5	SB5602, SB5802, SB9000
Solaris SPARC 2.8, 2.9, 2.10, 2.11	SB5602, SB5802, SB9000
Solaris 2.10 SPARC U6, U7	SB5602, SB5802
Solaris 2.10 (x86)	SB5802, SB9000
Solaris 2.10 (x86) U7	SB5602, SB5802

Table 2-274. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Fibre Channel Switches Matrix

Operating System	QLogic Switch
Solaris 2.11 (x86)	SB5602, SB5802
Windows Server 2003 SP2	SB5602, SB5802
Windows Server 2003 SP2 (IA32), (IA64)	SB5602, SB5802, SB9000
Windows Server 2008 R2, SP2	SB5602, SB5802
Windows Server 2008 SP1 (IA32)	SB5602, SB5802, SB9000
Windows Server 2008 SP2 (IA32)	SB5602, SB5802
Windows Server 2008 SP1 (IA64)	SB5602, SB5802, SB9000
Windows Server 2008 SP2 (IA64)	SB5602, SB5802

Source: LSI 2/25/10

Engenio Storage Systems Compatibility Matrix http://www.lsi.com/compatibilitymatrix/

Table 2-275. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Routers Matrix

Operating System	QLogic Router
RHL AP 5.2 (IA32), (IA64)	iSR6140
RHL AS 3, 4, 4 (IA32), 4 (IA64)	iSR6142
SLES 8, (IA32), (IA64) SLES 9, (IA64)	iSR6142
SLES 10.2 (IA32), (IA64)	iSR6140
SGI™ Linux 9	iSR6142
NetWare 6.0, 6.5	iSR6142
Solaris SPARC 2.7, 2.8, 2.9, 2.10 Solaris 2.10 x86	iSR6142
Windows Server 2003 SP1, R2	iSR6142
Windows Server 2003 SP1, R2 (IA32)	iSR6142
Windows Server 2003 SP2 (IA32)	iSR6140
Windows Server 2003 SP1 (IA64)	iSR6142

Table 2-275. Engenio Software (10.50.xx.xx - 07.50.xx.xx) Interoperability with QLogic Routers Matrix (Continued)

Operating System	QLogic Router
Windows Server 2003 R2 (IA64)	iSR6140
Windows Server 2008 SP1 (IA32), (IA64)	iSR6140

Source: LSI 2/25/10

Engenio Storage Systems Compatibility Matrix http://www.lsi.com/compatibilitymatrix/

Matrox

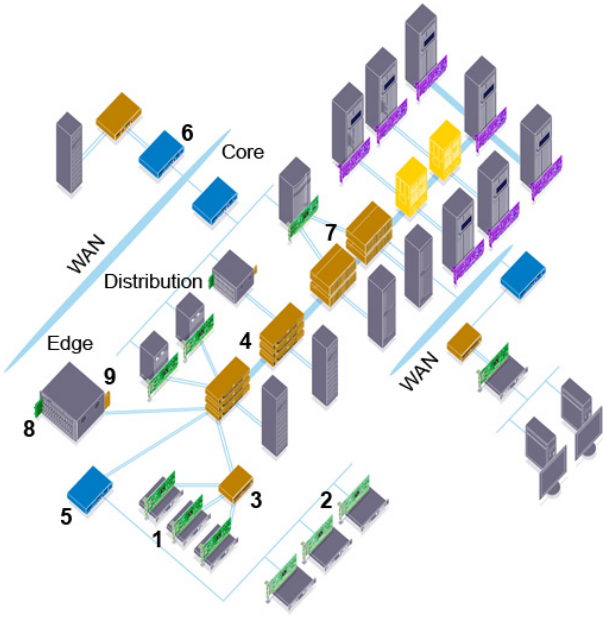
www.matrox.com

Matrox and the QLogic Platform

Martrox® products interoperate with QLogic network components as indicated by tha checkmark in the **Certified** column of Table 2-276. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-276. Matrox and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Matrox and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Matrox.

Table 2-277. Matrox Product Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Operating System	Matrox Product	QLogic Adapter	QLogic Switch
Windows XP Professional	Axio HD Axio LE Axio SD RT.X2	QLA246*x* QLE246*x*	
Windows XP Professional 32-Bit	Axio HD Axio LE Axio SD RT.X2 X.mio	QLA246*x*	SB560*x*

Source: Matrox 2/19/07, 3/8/09

See: http://www.matrox.com/video/en/support/axiole/design/storage/validated/ and http://www.matrox.com/video/en/support/rtx2/design/storage/validated/

NEC

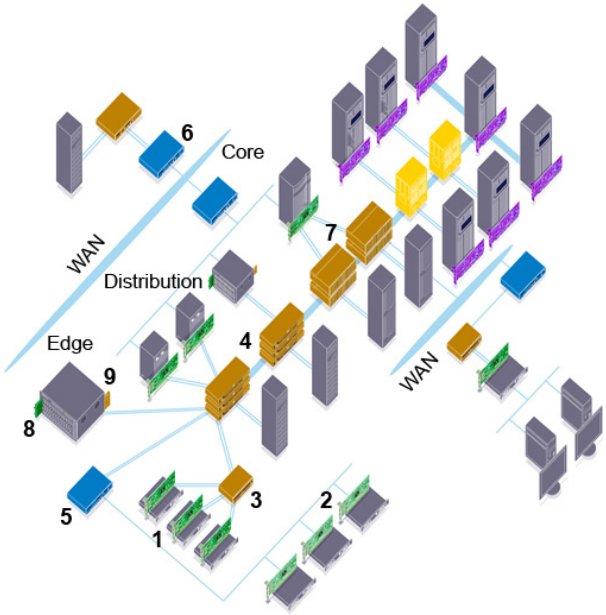
www.necam.com

NEC and the QLogic Platform

NEC Corporation of America products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-278. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-278. NEC and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



NEC and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from NEC.

Table 2-279. NEC Product Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

NEC Storage	NEC Application	Application Operating System	QLogic Adapter	Switch
D1-10	PathManager 3.3	Red Hat Enterprise Linux AS 4 Red Hat Enterprise Linux ES 4	QLA2460 QLE2460	Brocade M4700
	PathManager 3.4	Windows Server 2003 Enterprise Edition SP1 (32-Bit) Windows Server 2003 Enterprise Edition SP1 (64-Bit)		Brocade 200e
D3-10	PathManager 3.3	Red Hat Enterprise Linux AS 4 Red Hat Enterprise Linux ES 4	QLA2460 QLE2460	Brocade M4700
	PathManager 3.4	Windows Server 2003 Enterprise Edition SP1 (32-Bit) Windows Server 2003 Enterprise Edition SP1 (64-Bit)		Brocade 200e
	PathManager 4.1	Red Hat Enterprise Linux Server 5.2 i386 Red Hat Enterprise Linux Server 5.2 x86_64 Red Hat Enterprise Linux Server 5.3 i386 Red Hat Enterprise Linux Server 5.3 x86_64	QLE2460	Brocade 200e
D8-30	PathManager 4.0	Red Hat Enterprise Linux Server 5.1 x86_64 Red Hat Enterprise Linux Server 5.1 i686 Windows Server 2008 Enterprise Edition SP1 (32-Bit) Windows Server 2008 Enterprise Edition SP1 (64-Bit)	QLA2460 QLE2460	Brocade M4700 Brocade 200e
	PathManager 4.2	Red Hat Enterprise Linux Server 5.2 i386 Red Hat Enterprise Linux Server 5.2 x86_64 Red Hat Enterprise Linux Server 5.3 i386 Red Hat Enterprise Linux Server 5.3 x86_64	QLE2460	Brocade 200e
D8-1010 D8-1020 D8-1040	PathManager 3.3	Red Hat Enterprise Linux AS 4 Red Hat Enterprise Linux AS 4 x86_64	QLA2460 QLE2460	Brocade 200e Brocade M4700
	PathManager 3.4	Windows Server 2003 Enterprise Edition SP2 (32-Bit) Windows Server 2003 Enterprise Edition SP2 (64-Bit)		
S2900	PathManager 3.2	Red Hat Enterprise Linux AS 4 (EM64T) Red Hat Enterprise Linux ES 4 (IA32)	QLA246*x* QLE246*x*	Brocade 200e
	PathManager 3.3	Windows Server 2003 Enterprise Edition (32-Bit) Windows Server 2003 Enterprise Edition (64-Bit)		

Source: NEC 3/18/10

NetApp

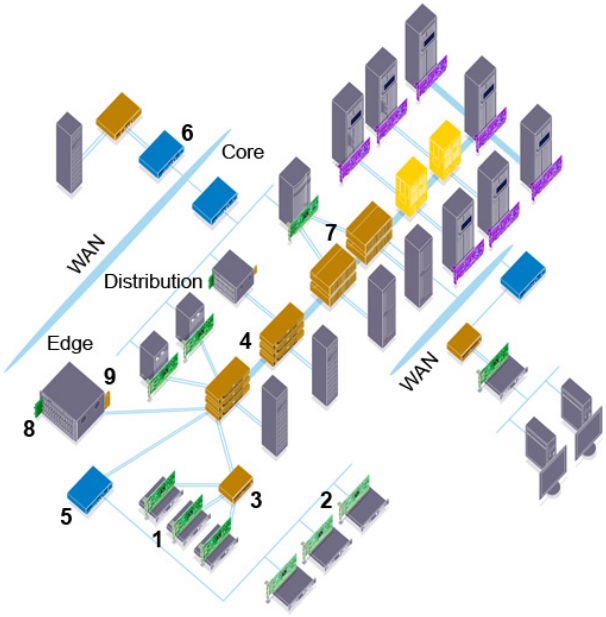
www.netapp.com

NetApp and the QLogic Platform

NetApp, Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-280. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-280. NetApp and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



NetApp and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from NetApp.

- Table 2-281. NetApp Product Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-282. NetApp Fibre Channel SAN Interoperability with QLogic Adapters, Switches, and Routers Matrix
- Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix
- Table 2-284. NetApp Fibre Channel SAN Interoperability with QLogic Switches and Fibre Channel Switch Modules Matrix
- Table 2-285. NetApp Product Support for TapeSAN Solutions Interoperability with QLogic Adapters Matrix
- Table 2-286. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-287. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix
- Table 2-288. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix
- Table 2-289. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix
- Table 2-290. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and Brocade Switches Matrix
- Table 2-291. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and Cisco Switches Matrix
- Table 2-292. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and McDATA Switches Matrix
- Table 2-293. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-294. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix
- Table 2-295. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix
- Table 2-296. NetApp's Overland Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-297. NetApp's Overland Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix

- Table 2-298. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-299. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix
- Table 2-300. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix
- Table 2-301. NetApp's Sony Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-302. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-303. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix
- Table 2-304. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix
- Table 2-305. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix
- Table 2-306. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix
- Table 2-307. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix
- Table 2-308. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix
- Table 2-309. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix
- Table 2-310. NetApp DataFort Interoperability with QLogic Adapters Matrix

Table 2-281. NetApp Product Interoperability with QLogic iSCSI Adapters Matrix

NetApp Storage System	Operating System	QLogic Adapter
F87 (NFS and iSCSI only), F810 (NFS and iSCSI only), F820 (NFS and iSCSI only), F825, F840 (NFS and iSCSI only), F880 (supported through Data ONTAP 7.1.x) FAS250 (NFS and iSCSI only), FAS270, FAS920, FAS940, FAS960, FAS980, FAS2020 (Data ONTAP 7.2.2L1 only), FAS2050 (Data ONTAP 7.2.2L1 only) FAS3020, FAS3040, FAS3050, FAS3070, FAS6030, FAS6070 GF270 (NFS and iSCSI only), GF825 (NFS and iSCSI only), GF920, GF940, GF960, GF980 R100, R150, R200 V3020, V3040, V3050 V3070 (Data ONTAP 7.2.1.1 and later; SSI and Standby cfmodes for FCP), V6030, V6070 (Data ONTAP 7.2 and later)	Red Hat RHEL AS 3	QLogic QLA4010, QLA4010C
	Red Hat RHEL AS/ES/WS 3 Red Hat RHEL AS/ES/WS 4	QLogic QLA4010; QLA4010C, QLA4050, QLA4050C, QLA4052C
	Red Hat RHEL AS/ES/WS 5	IBM iSCSI Adapter (30R5501) (QLA4050) IBM iSCSI Adapter (30R5201) (QLA4050C) QLogic QLA4050, QLA4050C
	Solaris 8	QLogic QLA4010, QLA4010C
	Solaris 9	QLogic QLA4010, QLA4010C, QLA4050, QLA4050C
	Solaris 10	QLogic QLA4010, QLA4010C, QLA4050, QLA4050C, QLA4052C
	SUSE SLES 8 SP3, SP4 SUSE SLES 9 SP1, SP2	QLogic QLA4010; QLA4010C
	SUSE SLES 9 SP3	QLogic QLA4050, QLA4050C, QLA4052C
	SUSE SLES 10	IBM iSCSI Adapter (30R5501) (QLA4050) IBM iSCSI Adapter (30R5201) (QLA4050C) QLogic QLA4050, QLA4050C
	VMware ESX 3.0.1, 3.0.2 Red Hat RHEL 4 Solaris 10 SUSE SLES 9 SP3 Windows 2000 Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	IBM iSCSI Adapter (30R5501) (QLA4050) IBM iSCSI Adapter (30R5201) (QLA4050C) QLogic QLA4050, QLA4050C, QLA4052C
	VMware ESX 3.5 Red Hat RHEL 4 32-bit Red Hat RHEL 4 64-bit Red Hat RHEL 5 32-bit Red Hat RHEL 5 64-bit Red Hat RHEL 5 Base Red Hat RHEL 5 Base 32-bit, x86 Red Hat RHEL 5 Base 64-bit, x64 SUSE SLES 9 SP4 32-bit SUSE SLES 9 SP4 64-bit SUSE SLES 10 32-bit SUSE SLES 10 64-bit	QLogic QLA4050C, QLA4052C, QLE4060C QLE4062C

Table 2-281. NetApp Product Interoperability with QLogic iSCSI Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	VMware ESX 3.5 (Continued) SUSE SLES 10 SP1 32-bit SUSE SLES 10 SP1 64-bit SUSE SLES 10 SP2 32-bit SUSE SLES 10 SP2 64-bit Windows 2000 Advanced Server SP4 Windows 2000 Server SP4 Windows Server 2003 EE SP2 Windows Server 2003 R2 EE SP2 Windows Server 2003 SE SP2 Windows Server 2003 R2 SE SP2 Windows Server 2008 DC Base 32-bit Windows Server 2008 DC Base 64-bit Windows Server 2008 EE Base 32-bit Windows Server 2008 EE Base 64-bit Windows Server 2008 SE Base 32-bit Windows Server 2008 SE Base 64-bit Windows XP	QLogic QLA4050C, QLA4052C, QLE4060C, QLE4062C
	Windows 2000 Server Windows 2000 Advanced Server	QLogic QLA4010, QLA4010C
	Windows 2000 Server SP4 Windows 2000 Advanced Server SP4	IBM iSCSI Adapter (30R5501) (QLA4050) IBM iSCSI Adapter (30R5201) (QLA4050C) QLogic QLA4050, QLA4050C, QLA4052C
	Windows Server 2003 EE 32-bit, x86 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 SE 32-bit, x86 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 SE 32-bit, x86	QLogic QLA4010, QLA4010C, QLA4050, QLA4050C, QLA4052C
	Windows Server 2003 EE 64-bit, x64 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 EE SP2 64-bit, x64 Windows Server 2003 SE 64-bit, x64 Windows Server 2003 SE SP1 64-bit, x64 Windows Server 2003 SE SP2 64-bit, x64 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 EE SP2 64-bit, x64 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 R2 SE SP2 64-bit, x64	QLogic QLA4050, QLA4050C, QLA4052C

Table 2-281. NetApp Product Interoperability with QLogic iSCSI Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 EE SP2 32-bit, x86 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64 Windows Server 2003 SE SP2 32-bit, x86 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 EE SP2 32-bit, x86 Windows Server 2003 R2 EE SP2 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 R2 SE SP2 32-bit, x86 Windows Server 2003 R2 SE SP2 64-bit, x64	QLogic QLA4050, QLA4052C, QLE4060C, QLE4062C
	Windows Server 2003 EE SP2 64-bit, x64 Windows Server 2003 SE SP2 64-bit, x64	IBM iSCSI Adapter (30R5501) (QLA4050), IBM iSCSI Adapter (30R5201) (QLA4050C) QLogic QLA4050, QLA4050C, QLA4052C, QLE4060C, QLE4062C
	Windows Server 2008	QLogic QLA4050C, QLA4052C, QLE4060C, QLE4062C
	Windows Server 2008 Hyper-V Windows Server 2003 DC SP2 32-bit, x86 Windows Server 2003 DC SP2 64-bit, x64 Windows Server 2008 DC 32-bit, x86 Windows Server 2008 DC 64-bit, x64 Windows Server 2003 EE SP2 32-bit, x86 Windows Server 2003 EE SP2 64-bit, x64 Windows Server 2008 EE 32-bit, x86 Windows Server 2008 EE 64-bit, x64 Windows Server 2003 SE SP2 32-bit, x86 Windows Server 2003 SE SP2 64-bit, x64 Windows Server 2008 SE 32-bit, x86 Windows Server 2008 SE 64-bit, x64	QLogic QLA4050C, QLA4052C, QLE4060C, QLE4062C

Table 2-281. NetApp Product Interoperability with QLogic iSCSI Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	Windows Server 2008 Hyper-V (Continued) Windows Vista Bus SP1 32-bit, x86 Windows Vista Ent SP1 32-bit, x86 Windows Vista Ult SP1 32-bit, x86 Windows XP Pro SP3 32-bit, x86	QLogic QLA4050C, QLA4052C, QLE4060C, QLE4062C (Continued)

Table Notes

- The NetApp storage systems run the Data ONTAP operating system and support the FCP, iSCSI, and NFS (NAS) protocols. The list refers to stand-alone and high-availability storage systems. Data ONTAP versions are qualified with a particular host.
- NetApp supports nondisruptive upgrade (NDU) of Data ONTAP. For information, see http://now.netapp.com/NOW/knowledge/docs/san/overviews/ndu.htm.

Source: NetApp 11/24/08

NetApp FCP and iSCSI Host Compatibility Matrix, November 2008. See http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/OEM_Product_List.aspx?oemid=372.

The following matrices specify QLogic product interoperability with NetApp Fibre Channel SAN systems.

Table 2-282. NetApp Fibre Channel SAN Interoperability with QLogic Adapters, Switches, and Routers Matrix

NetApp Product	Operating System	QLogic Adapter	QLogic Switch/Router
NetApp NearStore Virtual Tape Library (VTL)	Red Hat Linux AS 4.0 Windows 2003 R2	QLA4052C	6140 Router 6142 Router QLogic 9000 Switches
		QLE246x	520x Switches 560x Switches 6142 Router QLogic 9000 Switches
NetApp Storage System FAS920	Red Hat Linux AS 3.0 (IA32)	QLA2342	QLogic 9000 Switches
	Windows 2003 SP1 (IA32)	QLE2460	QLogic 9000 Switches
NetApp Storage System FAS920c	Red Hat Linux AS 4.0	QLE246x	560x Switches
			iSR6142 Routers
	Windows Server 2003 R2 (IA32)	QLE246x	560x Switches
			6142 Router
	Windows Server 2003 SP1 (IA64)	QLA246x	560x Switches
			6142 Router
NetApp System Running Data ONTAP [a]	Windows Server 2003 Enterprise Edition 32-bit SP1	QLA234x QLA246x QLE246x	520x Switches 560x Switches

Table Notes

aThis row provides a compatibility overview with a Network Appliance system running Data ONTAP 7.1 and qualified with Windows Server 2003 SP1 Enterprise Edition 32-bit, FCP Windows Attach Kit 3.0, and SnapDrive for Windows 4.1.

- Support for QLogic Adapters with Partner and Single System Image (SSI) cfmodes.
- QLogic switches require PVR.

Source: Network Appliance, Inc. 11/2/06, 6/5/07, 7/20/07; QLogic Corporation 9/28/06, 4/18/07, 10/18/07

NetApp SAN Support Matrix, November 2006; additional updates

NetApp NearStore VTL Compatibility List, June 5, 2007

QLogic NetApp NearStore VTL Switch Interoperability Test Plan, October 5, 2007

QLogic NetApp VTL iSCSI Testing Report, QLogic Network Certification Lab. January 25, 2007

QLogic Certification Test Report, 6142 Phase II, QLogic Network Certification Lab. April 5, 2007

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix

NetApp Storage System	Operating System	QLogic Adapter
F87 (NFS and iSCSI only), F810 (NFS and iSCSI only), F820 (NFS and iSCSI only), F825, F840 (NFS and iSCSI only), F880 (supported through Data ONTAP 7.1.x) FAS250 (NFS and iSCSI only), FAS270, FAS920, FAS940, FAS960, FAS980, FAS2020 (Data ONTAP 7.2.2L1 only), FAS2050 (Data ONTAP 7.2.2L1 only) FAS3020, FAS3040, FAS3050, FAS3070, FAS6030, FAS6070 GF270 (NFS and iSCSI only), GF825 (NFS and iSCSI only), GF920, GF940, GF960, GF980 R100, R150, R200 V3020, V3040, V3050 V3070 (Data ONTAP 7.2.1.1 and later; SSI and Standby cfmodes for FCP) V6030, V6070 (Data ONTAP 7.2 and later)	NetWare 6.0 NetWare 6.5 SP1, SP3, SP4, SP4a, SP5	QLogic QLA2340, QLA2342
	NetWare 6.5 SP6	QLogic QLA2340, QLA2342, QLA2460, QLA2462
	NetWare 6.5 SP7	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	Oracle Oracle Enterprise Linux 4, 5	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x
	Red Hat RHEL AS 4 Red Hat RHEL ES 4	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x
	Red Hat RHEL AS/ES/WS 2.1, 3	QLogic QLA2340, QLA2342
	Red Hat RHEL AS/ES/WS 4	HP FCA2214DC FC (321835-B21) (QLA2342-WLX-HP-SP) QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	Red Hat RHEL AS/ES/WS 5	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	Red Hat RHEL Server 5	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x
	Solaris 10	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462 Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	SUSE SLES 8 SUSE SLES 8 SP3 SUSE SLES 9 SUSE SLES 9 SP1	QLogic QLA2340; QLA2342
	SUSE SLES 9 SP2, SP3	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	SUSE SLES 10	QLogic QLA2460, QLA2462, QLE2460, QLE2462
	SUSE SLES 10 SP1	QLogic QLA2340; QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	SUSE SLES 10 SP2	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x
	VMware ESX 2.0.1 Red Hat RHEL 3 SUSE SLES 8 Windows Server 2003 EE 32-bit, x86 Windows Server 2003 EE 64-bit, x64 Windows Server 2003 SE 32-bit, x86 Windows Server 2003 SE 64-bit, x64	QLogic QLA2340, QLA2342
	VMware ESX 2.1 Microsoft MSCS Red Hat RHEL 3 SUSE SLES 8 SUSE SLES 8 SP3, SP4 Windows 2000 Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2340, QLA2342
	VMware ESX 2.1, 2.1.1, 2.1.2 Red Hat RHEL 3 SUSE SLES 8 SUSE SLES 8 SP3, SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2340, QLA2342
	VMware ESX 2.5, 2.5.1 Microsoft MSCS Red Hat RHEL 3 SUSE SLES 8 SUSE SLES 8 SP3, SP4 SUSE SLES 9 SUSE SLES 9 SP1 Windows 2000 Server SP3, SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2340, QLA2342

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	VMware ESX 2.5.2 Microsoft MSCS Red Hat RHEL 3 Red Hat RHEL 4 SUSE SLES 8 SUSE SLES 8 SP3, SP4 SUSE SLES 9 SUSE SLES 9 SP1, SP2 Windows 2000 Server SP3, SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2340, QLA2342
	VMware ESX 2.5.3, 2.5.4 Microsoft MSCS Red Hat RHEL 4 Red Hat RHEL 4 32-bit Red Hat RHEL 4 64-bit SUSE SLES 9 SP3 32-bit SUSE SLES 9 SP3 64-bit Windows 2000 Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2340, QLA2342
	VMware ESX 3.0, 3.0.1, 3.0.2 Microsoft MSCS Red Hat RHEL 4 SUSE SLES 9 SP3 Windows 2000 Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2340; QLA2342

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	VMware ESX 3.0.1, 3.0.2 Red Hat RHEL 4 SUSE SLES 9 SP3 Windows 2000 Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLA2460, QLA2462
	VMware ESX 3.0.1, 3.0.2 Red Hat RHEL 4 32-bit Red Hat RHEL 4 64-bit SUSE SLES 9 SP3 32-bit SUSE SLES 9 SP3 64-bit Windows 2000 Advanced Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLE2460
	VMware ESX 3.0.1, 3.0.2 Red Hat RHEL 4 SUSE SLES 9 SP3 Windows 2000 Server SP4 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64	QLogic QLE2460, QLE2462

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	VMware ESX 3.5 Red Hat RHEL 4 32-bit Red Hat RHEL 4 64-bit Red Hat RHEL 5 32-bit Red Hat RHEL 5 64-bit Red Hat RHEL 5 Base SUSE SLES 9 SP4 32-bit SUSE SLES 9 SP4 64-bit SUSE SLES 10 32-bit SUSE SLES 10 64-bit SUSE SLES 10 SP1 32-bit SUSE SLES 10 SP1 64-bit SUSE SLES 10 SP2 32-bit SUSE SLES 10 SP2 64-bit Windows 2000 Advanced Server SP4 Windows 2000 Server SP4 Windows Server 2003 EE SP2 Windows Server 2003 R2 EE SP2 Windows Server 2003 R2 SE SP2 Windows Server 2003 SE SP2 Windows Server 2008 DC Base 32-bit Windows Server 2008 DC Base 64-bit Windows Server 2008 EE Base 32-bit Windows Server 2008 EE Base 64-bit Windows Server 2008 SE Base 32-bit Windows Server 2008 SE Base 64-bit Windows XP	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x
	Windows 2000 Server SP4 Windows 2000 Advanced Server SP4	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	Windows Server 2003 EE 64-bit, x64 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP2 32-bit, x86 Windows Server 2003 SE 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP2 32-bit, x86 Windows Server 2003 R2 EE 32-bit, x86) Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64	QLogic QLA2340, QLA2342, QLE2460, QLE2462

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 EE SP1 IA64 Windows Server 2003 EE SP2 32-bit, x86 Windows Server 2003 EE SP2 64-bit, x64 Windows Server 2003 EE SP2 IA64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64 Windows Server 2003 SE SP2 32-bit, x86 Windows Server 2003 SE SP2 64-bit, x64 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 EE SP2 32-bit, x86 Windows Server 2003 R2 EE SP2 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 R2 SE SP2 32-bit, x86 Windows Server 2003 R2 SE SP2 64-bit, x64	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	Windows Server 2003 EE SP1 IA64 Windows Server 2003 EE SP2 IA64 Windows Server 2003 EE SP1 32-bit, x86 Windows Server 2003 EE SP1 64-bit, x64 Windows Server 2003 EE SP2 32-bit, x86 Windows Server 2003 EE SP2 64-bit, x64 Windows Server 2003 SE SP1 32-bit, x86 Windows Server 2003 SE SP1 64-bit, x64 Windows Server 2003 SE SP2 32-bit, x86 Windows Server 2003 SE SP2 64-bit, x64 Windows Server 2003 R2 EE 32-bit, x86 Windows Server 2003 R2 EE 64-bit, x64 Windows Server 2003 R2 EE SP2 32-bit, x86 Windows Server 2003 R2 EE SP2 64-bit, x64 Windows Server 2003 R2 SE 32-bit, x86 Windows Server 2003 R2 SE 64-bit, x64 Windows Server 2003 R2 SE SP2 32-bit, x86 Windows Server 2003 R2 SE SP2 64-bit, x64	QLogic QLE256x

Table 2-283. NetApp Fibre Channel SAN Interoperability with QLogic FC Adapters Matrix (Continued)

NetApp Storage System	Operating System	QLogic Adapter
(Continued)	Windows Server 2008	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x
	Windows Server 2008 EE 32-bit, x86 Windows Server 2008 EE 64-bit, x64 Windows Server 2008 SE 32-bit, x86 Windows Server 2008 SE 64-bit, x64	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
	Windows Server 2008 Hyper-V Windows Server 2008 EE 32-bit, x86 Windows Server 2008 EE 64-bit, x64 Windows Server 2003 EE SP2 32-bit, x86 Windows Server 2003 EE SP2 64-bit, x64 Windows Server 2008 DC 32-bit, x86 Windows Server 2008 DC 64-bit, x64 Windows Server 2003 DC SP2 32-bit, x86 Windows Server 2003 DC SP2 64-bit, x64 Windows Server 2008 SE 32-bit, x86 Windows Server 2008 SE 64-bit, x64 Windows Server 2003 SE SP2 32-bit, x86 Windows Server 2003 SE SP2 64-bit, x64 Windows Vista Bus SP1 32-bit, x86 Windows Vista Ent SP1 32-bit, x86 Windows Vista Ult SP1 32-bit, x86 Windows XP Pro SP3 32-bit, x86	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462, QLE256x

Table Notes

- The NetApp storage systems run the Data ONTAP operating system and support the FCP, iSCSI, and NFS (NAS) protocols. The list refers to stand-alone and high-availability storage systems. Data ONTAP versions are qualified with a particular host.
- NetApp supports nondisruptive upgrade (NDU) of Data ONTAP. For information, see http://now.netapp.com/NOW/knowledge/docs/san/overviews/ndu.htm.

Source: NetApp 11/24/08, 1/27/09

NetApp FCP and iSCSI Host Compatibility Matrix, November 2008. See http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/OEM_Product_List.aspx?oemid=372.

Table 2-284. NetApp Fibre Channel SAN Interoperability with QLogic Switches and Fibre Channel Switch Modules Matrix

NetApp Storage System	Product Type	QLogic Switch
F87 (NFS and iSCSI only), F810 (NFS and iSCSI only), F820 (NFS and iSCSI only), F825, F840 (NFS and iSCSI only), F880 (supported through Data ONTAP 7.1.x) FAS250 (NFS and iSCSI only), FAS270, FAS920, FAS940, FAS960, FAS980, FAS2020 (Data ONTAP 7.2.2L1 only), FAS2050 (Data ONTAP 7.2.2L1 only) FAS3020, FAS3040, FAS3050, FAS3070, FAS6030, FAS6070 GF270 (NFS and iSCSI only), GF825 (NFS and iSCSI only), GF920, GF940, GF960, GF980 R100, R150, R200 V3020, V3040, V3050 V3070 (Data ONTAP 7.2.1.1 and later; SSI and Standby cfmodes for FCP) V6030, V6070 (Data ONTAP 7.2 and later)	Switch Module	QLogic 560x
		QLogic 580x
		QLogic 9000
	Fibre Channel Switch Module	IBM QLogic 6-port 2Gb Fibre Channel Switch Module for BladeCenter (IBM 26K6477), IBM QLogic 10-port 4Gb Fibre Channel Switch Module for BladeCenter (IBM 32R1904), IBM QLogic 20-port 4Gb Fibre Channel Switch Module for BladeCenter (IBM 26R0991)

Table Notes

- The NetApp storage systems run the Data ONTAP operating system and support the FCP, iSCSI, and NFS (NAS) protocols. The list refers to stand-alone and high-availability storage systems. Data ONTAP versions are qualified with a particular host.
- NetApp supports nondisruptive upgrade (NDU) of Data ONTAP. For information, see http://now.netapp.com/NOW/knowledge/docs/san/overviews/ndu.htm.

Source: NetApp 11/24/08

NetApp FCP and iSCSI Host Compatibility Matrix, November 2008. See http://driverdownloads.qlogic.com/QLogicDriverDownloads_UI/OEM_Product_List.aspx?oemid=372.

Table 2-285. NetApp Product Support for TapeSAN Solutions Interoperability with QLogic Adapters Matrix

	Description	NetApp Product					
		800 Series	FAS900 Series	NearStore Series	Gateway Series	FAS270	FAS3000 Series
QLA2342	2 optical	X	X	X	X		X
Integrated QLA2342	1 optical					X	
Integrated QLA2322	4 optical						X
		6.1.1	6.3	6.3	6.4	6.5	7.0

Source: NetApp 12/12/08

NetApp Platform Support. See http://www.netapp.com/us/technology/osn/netapp-osn-support.html.

Table 2-286. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: FAS270, FAS270c, FAS900, FAS2000, FAS3000, FAS6000 series V-Series (formerly gFiler): GF825, GF900 series NearStore: R100, R150, R200
Adapters	QLogic QLA2312, QLA2340, QLA2342
Switches	Brocade 200E, 3200, 3250, 3800, 3850, 3900, 4100, 12000, 24000
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli® Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec® BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
ADIC Library: Scalar 24	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 SDLT 320 SDLT 600
Bridges	ADIC SNC 4000
ADIC Library: Scalar 50	
Tape Devices	DLT S4 HP LTO-3 HP LTO-4 Quantum LTO-3
ADIC Library: Scalar 100	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 SDLT 320 SDLT 600
Bridges	ADIC SNC 5101 ADIC SNC 6101

Table 2-286. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

ADIC Library: Scalar 1000, Scalar 10K	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 (S10K only) SDLT 320
Bridges	ADIC SNC 5100
ADIC Library: Scalar i500	
Tape Devices	IBM LTO-2 IBM LTO-3 IBM LTO-4
ADIC Library: Scalar i2000	
Tape Devices	DLT-S4 HP LTO-3 HP LTO-4 IBM LTO-2 IBM LTO-3 IBM LTO-4 SDLT 600
Bridges	ADIC IO Blade 6404 (2Gb) ADIC IO Blade 7404 (4Gb)
Notes	The i2000 requires DOT 6.5P4 or later. Move Control LUN 0 to LUN 255

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-287. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: FAS270, FAS270c, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapters	QLogic QLA2312, QLA2340, QLA2342
Switches	Cisco 9020, 9120, 9140, 9216, 9506, 9509
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
ADIC Library: Scalar 24	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 SDLT 320 SDLT 600
Bridges	ADIC SNC 4000
ADIC Library: Scalar 50	
Tape Devices	DLT S4 HP LTO-3 HP LTO-4 Quantum LTO-3
ADIC Library: Scalar 100	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 SDLT 320 SDLT 600
Bridges	ADIC SNC 5101 ADIC SNC 6101

Table 2-287. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix (Continued)

ADIC Library: Scalar 1000, Scalar 10K	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 (S10K only) SDLT 320
Bridges	ADIC SNC 100
ADIC Library: Scalar i500	
Tape Devices	IBM LTO-2 IBM LTO-3 IBM LTO-4
Bridges	ADIC IO Blade 7404 (4Gb)
ADIC Library: Scalar i2000	
Tape Devices	DLT-S4 HP LTO-3 HP LTO-4 IBM LTO-2 IBM LTO-3 IBM LTO-4 SDLT 600
Bridges	ADIC IO Blade 6404 (2Gb) ADIC IO Blade 7404 (4Gb)
Notes	The i2000 requires DOT 6.5P4 or later. Move Control LUN 0 to LUN 255

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Cisco Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/cisco.html.

Table 2-288. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: FAS270, FAS270c, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapters	QLogic QLA2312, QLA2340, QLA2342
Switches	McDATA Sphereon 3016, 3032, 3216, 3232, 4400, 4500 McDATA Intrepid 6064, 6140
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
ADIC Library: Scalar 24	
Tape Devices	SDLT 320 SDLT 600 IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4
Bridges	ADIC SNC 4000
ADIC Library: Scalar 50	
Tape Devices	DLT S4 HP LTO-3 HP LTO-4 Quantum LTO-3
ADIC Library: Scalar 100	
Tape Devices	SDLT 320 SDLT 600 IBM LTO IBM LTO-2 IBM LTO-3

Table 2-288. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix (Continued)

Bridges	ADIC SNC 5101 ADIC SNC 6101
ADIC Library: Scalar 1000, Scalar 10K	
Tape Devices	SDLT 320 IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 (S10K Only)
Bridges	ADIC SNC 5101
ADIC Library: Scalar i500	
Tape Devices	IBM LTO-2 IBM LTO-3
Bridges	ADIC IO Blade 7404
ADIC Library: Scalar i2000	
Tape Devices	DLT-S4 HP LTO-3 HP LTO-4 IBM LTO-2 IBM LTO-3 SDLT 600
Bridges	ADIC IO Blade 640 ADIC IO Blade 7404
Notes	The i2000 requires DOT 6.5P4 or later. Move Control LUN 0 to LUN 255

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

McDATA Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/mcdata.html.

Table 2-289. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: FAS270, FAS270c, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapters	QLogic QLA2312, QLA2340, QLA2342
Switches	QLogic 560x
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
ADIC Library: Scalar 24	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 SDLT 320 SDLT 600
Bridges	ADIC SNC 4000
ADIC Library: Scalar 50	
Tape Devices	DLT S4 HP LTO-3 HP LTO-4 Quantum LTO-3
ADIC Library: Scalar 100	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 SDLT 320 SDLT 600
Bridges	ADIC SNC 5101 ADIC SNC 6101

Table 2-289. NetApp's ADIC Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix (Continued)

ADIC Library: Scalar 1000, Scalar 10K	
Tape Devices	IBM LTO IBM LTO-2 IBM LTO-3 IBM LTO-4 (S10K Only) SDLT 320
Bridges	ADIC SNC 5101
ADIC Library: Scalar i500	
Tape Devices	IBM LTO-2 IBM LTO-3 IBM LTO-4
Bridges	ADIC IO Blade 7404
ADIC Library: Scalar i2000	
Tape Devices	DLT-S4 HP LTO-3 HP LTO-4 IBM LTO-2 IBM LTO-3 IBM LTO-4 SDLT 600
Bridges	ADIC IO Blade 6404 ADIC IO Blade 7404
Notes	The Scalar i2000 requires DOT 6.5P4 or later. Move Control LUN 0 to LUN 255

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

QLogic Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/qlogic.html.

Table 2-290. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series V-Series (formerly gFiler): GF825, GF900 Series NearStore: R100, R150, R200
Adapters	QLogic QLA2342
Switches	Brocade 200E, 3200, 3250, 3600, 3800, 3850, 3900, 4100, 6432, 6400, 12000, 24000, 48000 HP B-Series 4/256, 4/64. 4/32B, 4/32, 4/16, 4/8 HP 4Gb SAN Switch for HP C-class BladeSystem HP SAN Director 2/128 HP Core Switch 2/64 HP SAN Switch 2/32, 2/8V, 2/16V, 2/16N HP SAN Switch 2/16, 2/8, 2/16-EL, 2/8-EL
NDMP Backup Applications	HP Solutions support all NDMP-capable backup and restore applications certified with HP Tape Automation hardware. For specific NDMP configuration and hardware compatibility details, refer to the backup and restore application vendor's website.
HP StorageWorks EML E-Series	
Tape Devices	HP Ultrium 460 FC HP Ultrium 960 FC HP Ultrium 1840 FC
Interface Controllers	e2400-FC 2Gb e2400-FC 4Gb
Notes	Only drives configured behind FC port 0 are accessible (limitation does not apply to Ultrium 1840 drives). Ensure that each FC port has a LUN 0 configured for the first device
HP StorageWorks ESL E-Series	
Tape Devices	HP SDLT 600 HP Ultrium 460 HP Ultrium 460 FC HP Ultrium 960 FC HP Ultrium 1840 FC
Interface Controllers	e2400-160 e2400-FC 2Gb e2400-FC 4Gb

Table 2-290. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and Brocade Switches Matrix (Continued)

Notes	Maximum of one drive per SCSI bus. Only drives configured behind FC port 0 are accessible (limitation does not apply to Ultrium 1840 drives). Ensure that each FC port has a LUN 0 configured for the first device
HP StorageWorks MSL G3 Series	
Media Changers	MSL2024 MSL4048 MSL8096
Tape Devices	HP Ultrium 448 SCSI HP Ultrium 920 SCSI HP Ultrium 960 4Gb FC HP Ultrium 960 FC HP Ultrium 960 SCSI HP Ultrium 1840 FC HP Ultrium 1840 SCSI
Interface Controllers	NSR N1200 NSR N1200-320
HP StorageWorks MSL6000 Series	
Tape Devices	HP SDLT 600 HP Ultrium 460 HP Ultrium 960 HP Ultrium 1840
Interface Controllers	e1200-320 4Gb NSR e1200
Notes	Due to interoperability issues between Data ONTAP and the HP Interface controllers used in the ESL E-Series and EML E-Series libraries (dual Fibre Channel port models), only devices presented behind FC port 0 are accessible to the hosts. This issue does not affect configurations with Ultrium 1840 drives.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-291. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and Cisco Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series V-Series (formerly gFiler): GF825, GF900 Series NearStore: R100, R150, R200
Adapters	QLogic QLA2342
Switches	Cisco MDS 9120, 9124, 9124e, 9140 9216, 9216a, 9216i, 9606, 9609, 9613
NDMP Backup Applications	HP Solutions support all NDMP-capable backup and restore applications certified with HP Tape Automation hardware. For specific NDMP configuration and hardware compatibility details, refer to the backup and restore application vendor's website.
HP StorageWorks EML E-Series	
Tape Devices	HP Ultrium 460 FC HP Ultrium 960 FC HP Ultrium 1840 FC
Interface Controllers	e2400-FC 2Gb e2400-FC 4Gb
Notes	Only drives configured behind FC port 0 are accessible (limitation does not apply to Ultrium 1840 drives). Ensure that each FC port has a LUN 0 configured for the first device.
HP StorageWorks ESL E-Series	
Tape Devices	HP SDLT 600 HP Ultrium 460 HP Ultrium 460 FC HP Ultrium 960 FC HP Ultrium 1840 FC
Interface Controllers	e2400-160 e2400-FC 2Gb e2400-FC 4Gb
Notes	Maximum of one drive per SCSI bus. Only drives configured behind FC port 0 are accessible (limitation does not apply to Ultrium 1840 drives). Ensure that each FC port has a LUN 0 configured for the first device

Table 2-291. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and Cisco Switches Matrix (Continued)

HP StorageWorks MSL G3 Series	
Media Changers	MSL2024 MSL4048 MSL8096
Tape Devices	HP Ultrium 448 SCSI HP Ultrium 920 SCSI HP Ultrium 960 4Gb FC HP Ultrium 960 FC HP Ultrium 960 SCSI HP Ultrium 1840 FC HP Ultrium 1840 SCSI
Interface Controllers	NSR N1200 NSR N1200-320
HP StorageWorks MSL6000 Series	
Tape Devices	HP SDLT 600 HP Ultrium 460 HP Ultrium 960 HP Ultrium 1840
Interface Controllers	e1200-320 4Gb NSR e1200
Notes	Due to interoperability issues between Data ONTAP and the HP Interface controllers used in the ESL E-Series and EML E-Series libraries (dual Fibre Channel port models), only devices presented behind FC port 0 are accessible to the hosts. This issue does not affect configurations with Ultrium 1840 drives.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Cisco Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/cisco.html.

Table 2-292. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and McDATA Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series V-Series (formerly gFiler): GF825, GF900 Series NearStore: R100, R150, R200
Adapters	QLogic QLA2342
Switches	HP M-Series Director Switch 2/140, 2/64 HP M-Series Edge Switch 2/32, 2/24, 2/16, 2/12 McDATA Sphereon 4700, 4400
NDMP Backup Applications	HP Solutions support all NDMP-capable backup and restore applications certified with HP Tape Automation hardware. For specific NDMP configuration and hardware compatibility details, refer to the backup and restore application vendor's website.
HP StorageWorks EML E-Series	
Tape Devices	HP Ultrium 460 FC HP Ultrium 960 FC HP Ultrium 1840 FC
Interface Controllers	e2400-FC 2Gb e2400-FC 4Gb
Notes	Only drives configured behind FC port 0 are accessible (limitation does not apply to Ultrium 1840 drives). Ensure that each FC port has a LUN 0 configured for the first device.
HP StorageWorks ESL E-Series	
Tape Devices	HP SDLT 600 HP Ultrium 460 HP Ultrium 460 FC HP Ultrium 960 FC HP Ultrium 1840 FC
Interface Controllers	e2400-160 e2400-FC 2Gb e2400-FC 4Gb
Notes	Maximum of one drive per SCSI bus. Only drives configured behind FC port 0 are accessible (limitation does not apply to Ultrium 1840 drives). Ensure that each FC port has a LUN 0 configured for the first device

Table 2-292. NetApp's HP Fibre Channel TapeSAN for QLogic Adapters and McDATA Switches Matrix (Continued)

HP StorageWorks MSL G3 Series	
Media Changers	MSL2024 MSL4048 MSL8096
Tape Devices	HP Ultrium 448 SCSI HP Ultrium 920 SCSI HP Ultrium 960 4Gb FC HP Ultrium 960 FC HP Ultrium 960 SCSI HP Ultrium 1840 FC HP Ultrium 1840 SCSI
Interface Controllers	NSR N1200 NSR N1200-320
HP StorageWorks MSL6000 Series	
Tape Devices	HP SDLT 600 HP Ultrium 460 HP Ultrium 960 HP Ultrium 1840
Interface Controllers	e1200-320 4Gb NSR e1200
Notes	Due to interoperability issues between Data ONTAP and the HP Interface controllers used in the ESL E-Series and EML E-Series libraries (dual Fibre Channel port models), only devices presented behind FC port 0 are accessible to the hosts. This issue does not affect configurations with Ultrium 1840 drives.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

McDATA Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/mcdata.html.

Table 2-293. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.0, 7.1
NetApp Platforms	Filers: F800, FAS270, FAS900 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	Brocade 200E, 4100 Brocade SilkWorm 2250, 2400, 2800, 3200, 3250, 3800, 3850, 3900, 6400, 12000, 24000
NDMP Backup Applications	EMC NetWorker 6.1 IBM Tivoli Storage Manager 5.2.2 Symantec NetBackup 5.x
IBM Library: IBM 3582	
Tape Devices	IBM SCSI LTO-2 IBM FC LTO-2 IBM FC LTO-3
IBM Library: IBM 3584	
Tape Devices	IBM FC LTO IBM FC LTO-2 IBM FC LTO-3
Notes	The IBM 3584 has eight standalone FC LTO drives that require separate connections to the switch. The media changer usually is configured with Drive 0, but it is not necessary to have the media changer on Drive 0.
IBM Library: IBM TS3310	
Tape Devices	IBM SCSI LTO-2 IBM FC LTO-2 IBM LTO-3
Bridge	None
General Notes	When configuring Symantec or EMC, make sure media type is HCART and not DLT. The library is DLT type, but not the media itself.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-294. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix

Operating System	NetApp Data ONTAP 7.0 and 7.1
NetApp Platforms	Filers: F800, FAS270, FAS900 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	Cisco 9120, 9140, 9216, 9506, 9509
NDMP Backup Applications	Symantec NetBackup 5.0 and NDMP module
IBM Library: IBM 3584	
Tape Devices	IBM FC LTO IBM FC LTO-2
Bridge	None
Notes	The IBM 3584 has eight standalone FC LTO drives that require separate connections to the switch. The media changer usually is configured with Drive 0, but it is not necessary to have the media changer on Drive 0.
Bridge	None
General Notes	When configuring Symantec or EMC, make sure media type is HCART and not DLT. The library is DLT type, but not the media itself.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Cisco Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/cisco.html.

Table 2-295. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix

Operating System	NetApp Data ONTAP 7.1
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS3000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	McDATA Sphereon 2640, 3016, 3032, 3216, 3232, 4500; McDATA Intrepid 6064, 6140
NDMP Backup Applications	IBM Tivoli Storage Manager 5.2.2 Symantec NetBackup 5.1, and NDMP module

Table 2-295. NetApp's IBM Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix (Continued)

IBM Library: IBM 3584	
Tape Devices	IBM FC LTO IBM FC LTO-2 IBM FC LTO-3
Bridge	None
Notes	The IBM 3584 has eight standalone FC LTO (or LTO-2) drives that require separate connections to the switch. The media changer usually is configured with Drive 0, but it is not necessary to have the media changer on Drive 0. LTOs only connect loop so the McDATA Sphereon 4500 is the only option for connection (or direct to filer). For LTO-2s, the drive connection to the switch could be loop OR fabric—it is auto-sensing. The McDATA Sphereon 4500 is the only switch that supports the loop connection.
Bridge	None
General Notes	When configuring Symantec/VERITAS make sure media type is HCART and not DLT. The library is DLT type, but not the media itself.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

McDATA Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/mcdata.html.

Table 2-296. NetApp's Overland Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS200, FAS900, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapters	QLogic QLA2342, QLA2462, QLE2462
Switches	Brocade 200E, 4100, 4400, 4900, 5000, M4700 Brocade SilkWorm 2250, 2400, 2800, 3200, 3250, 3800, 3850, 3900, 6400, 12000, 24000

Table 2-296. NetApp's Overland Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Overland Library: ARCvault	
Tape Devices	HP LTO-3 FC HP LTO-3 SCSI HP LTO-4 FC HP LTO-4 SCSI
Bridge	FCO3 VIA card
Overland Library: NEO 8000	
Tape Devices	HP LTO-2 HP LTO-3 FC HP LTO-3 SCSI HP LTO-4 FC HP LTO-4 SCSI
Bridge	FCO3 VIA card
Overland Library: NEO 2000/4000	
Tape Devices	HP LTO-2 HP LTO-3 FC HP LTO-3 SCSI HP LTO-4 FC HP LTO-4 SCSI
Bridge	FCO3 VIA card

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-297. NetApp's Overland Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS200, FAS900, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapters	QLogic QLA2342, QLA2462, QLE2462
Switches	QLogic 1400, 520x, 560x, 9000 QLogic 10-port 4Gb Fibre Channel Switch Module for BladeCenter (IBM 32R1904) QLogic 20-port 4Gb Fibre Channel Switch Module for BladeCenter (IBM 26R0991)
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Overland Library: NEO 2000/4000	
Tape Devices	HP LTO-2 HP LTO-3 FC HP LTO-3 SCSI HP LTO-4 FC HP LTO-4 SCSI
Bridge	FCO3 VIA card
Overland Library: NEO 8000	
Tape Devices	HP LTO-2 HP LTO-3 FC HP LTO-3 SCSI HP LTO-4 FC HP LTO-4 SCSI
Bridge	FCO3 VIA card

Table 2-297. NetApp's Overland Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix (Continued)

Overland Library: ARCvault	
Tape Devices	HP LTO-3 FC HP LTO-3 SCSI HP LTO-4 FC HP LTO-4 SCSI
Bridge	FCO3 VIA card

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

QLogic Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/qlogic.html.

Table 2-298. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2312, QLA2340, QLA2342
Switches	Brocade 4100 Brocade SilkWorm 2250, 2400, 2800, 3200, 3800, 6400
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Quantum Library: PX502, PX506, PX510 (Data ONTAP 7.1 only)	
Tape Devices	HP LTO-2 HP LTO-3 (native FC and SCSI) Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 600
Bridge	FC 1202

Table 2-298. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

Quantum Library: PX720	
Tape Devices	HP LTO-2 (native FC) HP LTO-2 (SCSI) HP LTO-3 (native FC) HP LTO-3 (SCSI) HP LTO-4 (native FC) Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 320 Quantum SDLT 600 (native FC and SCSI)
Bridge	FC 470
Notes	Maximum of one drive per SCSI bus. Map all devices to FC port 0. Ensure that each FC port has a LUN 0 configured for the first device.
Quantum Library: P2000/3000/4000/6000/7000 Using FC230 Bridge	
Tape Devices	DLT 7000 DLT 8000 IBM LTO SDLT
Bridge	FC 230
Notes	For P2000 and P3000, make sure 3mb sim is installed in FC 230. Every configured FC port on FC 230 should have first LUN as LUN 0 Each FC 230 has 3 ports. Typical port setup on each FC 230 is as follows: ■ Port 0 controls the media changer + 4 drives. ■ Port 1 controls 4 drives. ■ Port 2 is used as a spare.
Quantum Library: P2000/3000/4000/6000/7000 Using FC470 Bridge	
Tape Devices	DLT 7000 DLT 8000 SDLT 220 SDLT 320 SDLT 600 (native FC and SCSI) IBM LTO-1 IBM LTO-2 HP LTO-2
Bridge	FC 470
Notes	Maximum of one drive per SCSI bus. Map all devices to FC port 0. Ensure that each FC port has a LUN 0 configured for the first device.

Table 2-298. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

Quantum Library: M1500/M2500	
Tape Devices	HP LTO HP LTO-2 SDLT
Bridge	FC 310 FC 420
Quantum Library: SuperLoader 3	
Tape Devices	HP LTO-2 SCSI HP LTO-3 SCSI Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 320 Quantum SDLT 600 (SCSI)
Required Setup	All devices must be mapped to FC port 0.
General Notes	Full fabric and Loop mode are supported. Library can log into Fabric as N_ports or NL_ports Up to 8 DLT 7000 drives can be connected to 1 FC230 bridge per library Up to 16 DLT 7000 drives can be connected to 2 FC230 bridges per library For the P6000, up to 32 DLT 7000 drives can be connected to 4 FC230 bridges per library.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-299. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2312, QLA2340, QLA2342
Switches	McDATA 3016, 3032, 3216, 3232, 4500, 4700, 6064, 6140

Table 2-299. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix (Continued)

NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Quantum Library: PX720	
Tape Devices	HP LTO-2 (native FC) HP LTO-2 (SCSI) HP LTO-3 (native FC) HP LTO-3 (SCSI) HP LTO-4 (native FC) Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 320 Quantum SDLT 600 (native FC and SCSI)
Bridge	FC 470
Notes	Maximum of one drive per SCSI bus. Map all devices to FC port 0. Ensure that each FC port has a LUN 0 configured for the first device.
Quantum Library: SuperLoader 3	
Tape Devices	HP LTO-2 HP LTO-3 Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 320 Quantum SDLT 600 (SCSI)
Bridge	FC 470
Required Setup	All devices must be mapped to FC port 0.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

McDATA Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/mcdata.html.

Table 2-300. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix

Operating System	NetApp Data ONTAP 7.2
NetApp Platforms	Filers: F800, FAS270, FAS300, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2312, QLA2340, QLA2342
Switches	QLogic 560x
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Quantum Library: PX502, PX506, PX510 (Data ONTAP 7.1 only)	
Tape Devices	HP LTO-2 HP LTO-3 (native FC and SCSI) Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 600
Bridge	FC 1202
Quantum Library: PX720	
Tape Devices	HP LTO-2 (native FC) HP LTO-2 (SCSI) HP LTO-3 (native FC) HP LTO-3 (SCSI) HP LTO-4 (native FC) Quantum DLT-S4 (native FC and SCSI) Quantum SDLT 320 Quantum SDLT 600 (native FC and SCSI)
Bridge	FC 470
Notes	Maximum of one drive per SCSI bus. Map all devices to FC port 0. Ensure that each FC port has a LUN 0 configured for the first device.

Table 2-300. NetApp's Quantum Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix (Continued)

Required Setup	All devices must be mapped to FC port 0.
General Notes	Full fabric and Loop mode are supported. Library can log into Fabric as N_ports or NL_ports. Up to 8 DLT 7000 drives can be connected to 1 FC 230 bridge per library. Up to 16 DLT 7000 drives can be connected to 2 FC 230 bridges per library. For the P6000, up to 32 DLT 7000 drives can be connected to 4 FC230 bridges per library.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

QLogic Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/qlogic.html.

Table 2-301. NetApp's Sony Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.0 and 7.1
NetApp Platforms	Filers: F800, FAS270, FAS900 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	Brocade SilkWorm 2250, 2400, 2800, 3200, 3800, 3900, 6400, M4400
NDMP Backup Applications	BakBone NetVault 7.4 Sony PetaBack Software 8.2 Symantec NetBackup 6.0 MP4
Sony Library: CSM 60/100/200	
Tape Devices	IBM T-800F (LTO-3 FC) Sony S-AIT1 FC Sony S-AIT2 FC
Bridge	ATTO FibreBridge 2300R/D ATTO FibreBridge 2400R/D
Notes	Each S-AIT drive in the Sony Library requires separate connections to the switch. The Sony Library (media changer) requires separate connection to the switch via FC bridge.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-302. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	Brocade SilkWorm 2250, 2400, 2800, 3200, 3250, 3800, 3850, 6400, 24000
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Specta Logic Library: T50	
Tape Devices	IBM Ultrium TD-3
Bridge	Spectra Logic F-QIP
Specta Logic Library: T120	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: T200	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)
Specta Logic Library: T380	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4) Quantum SDLT 320

Table 2-302. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

Specta Logic Library: T950	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Quantum SDLT 320 Quantum SDLT 600 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: 12K, 20K, 64K	
Tape Devices	AIT1 SDX-300C, SDX-400C AIT2 SDX-500C AIT2 SDX-500V AIT3 SDX-700C AIT3 SDX-700V AIT4 SDX-900V
Bridge	Spectra Logic F-QIP
Notes	Library can be set up as Loop mode or Fabric mode. Library does not need Hard Addressing enabled. Up to 8 AIT-3 drives can be configured in a 12K, 20K. Up to 16 AIT-3 drives can be configured in a 64K. One F-QIP controls up to four AIT-3 drives.
General Notes	Spectra Logic supports major FC switch vendors with FC drives attached to Spectra Logic Libraries. This page reflects a general support position from Spectra Logic and not all equipment has been through a TapeSan Certification process. The libraries above are also supported in direct connect configurations (no switch); however, in that case, the library must be set to Hard Addressing and Loop mode. The FAS250 Platform is only supported with Data ONTAP 6.4.1 and later; and only supports a copper connection—direct connect or through the 24/2800 family of switches.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-303. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix

Operating System	NetApp Data ONTAP 7.2
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	Cisco 9120, 9140, 9216 Cisco 9506, 9509, 9513
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Specta Logic Library: T50	
Tape Devices	IBM Ultrium TD-3
Bridge	Spectra Logic F-QIP
Specta Logic Library: T120	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: T200	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)
Specta Logic Library: T380	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)

Table 2-303. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix (Continued)

Specta Logic Library: T950	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Quantum SDLT 320 Quantum SDLT 600 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: 12K, 20K, 64K	
Tape Devices	AIT1 SDX-300C AIT1 SDX-400C AIT2 SDX-500C AIT2 SDX-500V AIT3 SDX-700C AIT3 SDX-700V AIT4 SDX-900V
Bridge	Spectra Logic F-QIP
Notes	Library can be set up as Loop mode or Fabric mode. Library does not need Hard Addressing enabled. Up to 8 AIT-3 drives can be configured in a 12K, 20K. Up to 16 AIT-3 drives can be configured in a 64K. One F-QIP controls up to four AIT-3 drives.
General Notes	Spectra Logic supports major FC switch vendors with FC drives attached to Spectra Logic Libraries. This page reflects a general support position from Spectra Logic and not all equipment has been through a TapeSan Certification process. The libraries above are also supported in direct connect configurations (no switch); however, in that case, the library must be set to Hard Addressing and Loop mode. The FAS250 Platform is only supported with Data ONTAP 6.4.1 and later; and only supports a copper connection—direct connect or through the 24/2800 family of switches.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Cisco Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/cisco.html.

Table 2-304. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2342
Switches	McDATA 3016, 3032, 3216, 3232, 4400, 4500, 4700, 6064, 6140
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Specta Logic Library: T50	
Tape Devices	IBM Ultrium TD-3
Bridge	Spectra Logic F-QIP
Specta Logic Library: T120	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: T200	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)
Specta Logic Library: T380	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)

Table 2-304. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix (Continued)

Specta Logic Library: T950	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Quantum SDLT 320 Quantum SDLT 600 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: 12K, 20K, 64K	
Tape Devices	AIT1 SDX-300C, SDX-400C AIT2 SDX-500C AIT2 SDX-500V AIT3 SDX-700C AIT3 SDX-700V AIT4 SDX-900V
Bridge	Spectra Logic F-QIP
Notes	Library can be set up as Loop mode or Fabric mode. Library does not need Hard Addressing enabled. Up to 8 AIT-3 drives can be configured in a 12K, 20K. Up to 16 AIT-3 drives can be configured in a 64K. One F-QIP controls up to four AIT-3 drives.
General Notes	Spectra Logic supports major FC switch vendors with FC drives attached to Spectra Logic Libraries. This page reflects a general support position from Spectra Logic and not all equipment has been through a TapeSan Certification process. The libraries above are also supported in direct connect configurations (no switch); however, in that case, the library must be set to Hard Addressing and Loop mode. The FAS250 Platform is only supported with Data ONTAP 6.4.1 and later; and only supports a copper connection—direct connect or through the 24/2800 family of switches.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

McDATA Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/mcdata.html.

Table 2-305. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix

Operating System	NetApp Data ONTAP 7.2.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2312, QLA2340, QLA2342
Switches	QLogic 1400, 520x, 560x, 9000
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Specta Logic Library: T50	
Tape Devices	IBM Ultrium TD-3
Bridge	Spectra Logic F-QIP
Specta Logic Library: T120	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: T200	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)
Specta Logic Library: T380	
Tape Devices	LTO-2 (IBM TotalStorage 3580 Ultrium 2) LTO-3 Fibre (IBM TotalStorage 3580 Ultrium 3) LTO-3 SCSI (IBM TotalStorage 3580 Ultrium 3) LTO-4 SCSI (IBM TotalStorage 3580 Ultium 4) LTO-4 Fibre (IBM TotalStorage 3580 Ultium 4)

Table 2-305. NetApp's Spectra Logic Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix (Continued)

Specta Logic Library: T950	
Tape Devices	IBM Ultrium TD-2 IBM Ultrium TD-3 Quantum SDLT 320 Quantum SDLT 600 Sony SAIT SDZ-100
Bridge	Spectra Logic F-QIP
Specta Logic Library: 12K, 20K, 64K	
Tape Devices	AIT1 SDX-300C, SDX-400C AIT2 SDX-500C AIT2 SDX-500V AIT3 SDX-700C AIT3 SDX-700V AIT4 SDX-900V
Bridge	Spectra Logic F-QIP
Notes	Library can be set up as Loop mode or Fabric mode. Library does not need Hard Addressing enabled. Up to 8 AIT-3 drives can be configured in a 12K, 20K. Up to 16 AIT-3 drives can be configured in a 64K. One F-QIP controls up to four AIT-3 drives.
General Notes	Spectra Logic supports major FC switch vendors with FC drives attached to Spectra Logic Libraries. This page reflects a general support position from Spectra Logic and not all equipment has been through a TapeSan Certification process. The libraries above are also supported in direct connect configurations (no switch); however, in that case, the library must be set to Hard Addressing and Loop mode. The FAS250 Platform is only supported with Data ONTAP 6.4.1 and later; and only supports a copper connection—direct connect or through the 24/2800 family of switches.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

QLogic Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/qlogic.html.

Table 2-306. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix

Operating System	NetApp Data ONTAP 7.3.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF270c, GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
Switches	Brocade 200E. 300, 2250, 2400, 2800, 3200, 3250, 3800, 3850, 3900, 4100, 5000, 5100, 5300, 6400, 12000, 24000, 48000, 75000, DCX
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Sun StorageTek Library: L180, L700, L1400	
Tape Devices	9840A/B/C FC 9940A/B FC HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC 4Gb HP LTO-4 LVD IBM LTO-2 FC/LVD IBM LTO-3 FC 2/4Gb/LVD IBM LTO-4 FC T10000 FC 2/4Gb
Bridge	Crossroads 4250 Crossroad 10k (single-port only)
Notes	ACSLS config OK. Up to 10 DLT 8000 can be configured in an L180. Up to 20 DLT 8000 can be configured in an L700. Up to 6 9840 drives can be configured in an L180. Up to 12 9840 drives can be configured in an L700.

Table 2-306. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

Sun StorageTek Library: L5500	
Tape Devices	9840A/B/C FC 9940A/B FC IBM LTO-1 FC IBM LTO-2 FC IBM LTO-3 FC
Bridge	Crossroads 4250 Crossroads 10k (single-port only)
Notes	ACSLS 7.0 and later
Sun StorageTek Library: Powderhorn 9310	
Tape Devices	9840A/B/C FC 9940A/B FC T10000 2/4Gb
Bridge	Crossroads 4250 Crossroads 10k (single-port only)
Notes	ACSLS 7.0 and later
Sun StorageTek Library: SL500	
Tape Devices	HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2/4Gb HP LTO-4 FC HP LTO-4 LVD IBM LTO-2 FC/LVD IBM LTO-3 FC 2/4Gb/LVD IBM LTO-4 FC SDLT 600 FC/LVD
Bridge	Crossroads 6000, 10K (STK 3300, 3400)
Sun StorageTek Library: SL3000	
Tape Devices	9840C FC HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC 4Gb IBM LTO-3 FC 2/4Gb IBM LTO-4 FC
Notes	ACSLS 7.3 minimum.

Table 2-306. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Brocade Switches Matrix (Continued)

Sun StorageTek Library: SL8500	
No SCSI Media Changer Support (API)	ACSLS 3.1.1 minimum.
Tape Devices	9840B/C FC 9940B FC HP LTO-2 FC HP LTO-3 FC 2/4Gb HP LTO-4 FC 4Gb IBM LTO-2 FC IBM LTO-3 FC 2/4Gb IBM LTO-4 FC SDLT 600 FC T10000 FC 2/4Gb
Sun StorageTek Library: Sun VTL Plus	
Media Changer Emulation	Sun VTL
Tape Devices Emulation	9840C 9940B HP LTO-3 IBM LTO-3 T10000
General Notes	Each 9840B, 9940, and 9940B drive requires an individual cable/port connection into the Fibre Channel switch. Library media changer requires an individual cable/port connection into the Fibre Channel switch.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Brocade Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/brocade.html.

Table 2-307. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix

Operating System	NetApp Data ONTAP 7.3.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF270c, GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
Switches	Cisco MDS 9120, 9124, 9134, 9140, 9216, 9222i, 9506, 9509, 9513

Table 2-307. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix (Continued)

NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Sun StorageTek Library: L180, L700, L1400	
Tape Devices	9840A/B/C FC 9940A/B FC HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2/4Gb HP LTO-4 FC 4Gb HP LTO-4 LVD IBM LTO-2 FC IBM LTO-2 LVD IBM LTO-3 FC 2/4Gb IBM LTO-3 LVD IBM LTO-4 FC SDLT 600 FC SDLT 600 LVD T10000 FC 2/4Gb
Bridges	Crossroads 4250 Crossroads 10K (single-port only)
Notes	ACSLS config OK. Up to 10 DLT 8000 can be configured in an L180. Up to 20 DLT 8000 can be configured in an L700. Up to 6 9840B drives can be configured in an L180. Up to 12 9840B drives can be configured in an L700.

Table 2-307. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix (Continued)

Sun StorageTek Library: L5500	
Tape Devices	9840A/B/C FC 9940A/B FC IBM LTO-1 FC IBM LTO-2 FC IBM LTO-3 FC
Notes	ACSLS 7.0 minimum.
Sun StorageTek Library: Powderhorn 9310	
Tape Devices	9840A/B/C FC 9940A/B FC T10000 2/4Gb
Notes	ACSLS 7.0 minimum.
Sun StorageTek Library: SL500	
Tape Devices	HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC HP LTO-4 LVD IBM LTO-2 FC/LVD IBM LTO-3 FC (2/4Gb)/LVD IBM LTO-4 FC SDLT 600 FC/LVD
Bridge	Crossroads 4250 Crossroads 10K (STK 3300, 3400)
Sun StorageTek Library: SL3000	
Tape Devices	9840C FC HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC 4Gb IBM LTO-3 FC 2/4Gb IBM LTO-4 FC
Notes	ACSLS 7.3 minimum.

Table 2-307. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and Cisco Switches Matrix (Continued)

Sun StorageTek Library: SL8500	
No SCSI Media Changer Support (API)	ACSLS required.
Tape Devices	9840B/C FC 9940B FC HP LTO-2 FC HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC 4Gb IBM LTO-2 FC IBM LTO-3 FC 2/4Gb IBM LTO-4 FC SDLT 600 FC T10000 FC 2/4Gb
Notes	ACSLS 7.1 minimum.
Sun StorageTek Library: Sun VTL Plus	
Media Changer Emulation	Sun VTL
Tape Devices Emulation	9840C 9940B HP LTO-3 IBM LTO-3 T10000
General Notes	■ Each 9840, 9940, and 9940B drive requires an individual cable/port connection into the Fibre Channel switch. ■ Library media changer requires an individual cable/port connection into the Fibre Channel switch.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

Cisco Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/cisco.html.

Table 2-308. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix

Operating System	NetApp Data ONTAP 7.3.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF270c, GF825, GF900 series; NearStore: R100, R150, R200
Adapter	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
Switches	McDATA 6064, 6140, 4300, 4400, 4500, 4700, i10K
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Sun StorageTek Library: L180, L700, L1400	
Tape Devices	9840A/B/C FC 9940A/B FC HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2/4Gb HP LTO-4 FC HP LTO-4 LVD IBM LTO-2 FC IBM LTO-2 LVD IBM LTO-3 FC 2/4Gb IBM LTO-3 LVD IBM LTO-4 FC SDLT 600 FC SDLT 600 LVD T10000 FC 2/4Gb
Bridges	Crossroads 4250 Crossroads 10K (single-port only)
Notes	ACSLS config OK. Up to 10 DLT 8000 can be configured in an L180. Up to 20 DLT 8000 can be configured in an L700. Up to 6 9840B drives can be configured in an L180. Up to 12 9840B drives can be configured in an L700.

Table 2-308. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix (Continued)

Sun StorageTek Library: L5500	
Tape Devices	9840A/B/C FC 9940A/B FC IBM LTO-1 FC IBM LTO-2 FC IBM LTO-3 FC
Notes	ACSLS 7.0 minimum.
Sun StorageTek Library: Powderhorn 9310	
Tape Devices	9840A/B/C FC 9940A/B FC T10000 2/4Gb
Sun StorageTek Library: SL500	
Tape Devices	HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC HP LTO-4 LVD IBM LTO-2 FC/LVD IBM LTO-3 FC (2/4Gb)/LVD IBM LTO-4 FC SDLT 600 FC/LVD
Bridge	Crossroads 4250 Crossroads 10K (STK 3300, 3400)
Sun StorageTek Library: SL3000	
Tape Devices	9840C FC HP LTO-3 FC 2/4Gb HP LTO-4 FC 4Gb IBM LTO-3 FC 2/4Gb IBM LTO-4 FC 4Gb
Notes	ACSLS 7.3 minimum.

Table 2-308. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and McDATA Switches Matrix (Continued)

Sun StorageTek Library: SL8500	
No SCSI Media Changer Support (API)	ACSLS required.
Tape Devices	9840B/C FC 9940B FC HP LTO-2 FC HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC 4Gb IBM LTO-2 FC IBM LTO-3 FC 2/4Gb IBM LTO-4 FC SDLT 600 FC T10000 FC 2/4Gb
Notes	ACSLS 7.1 minimum.
Sun StorageTek Library: Sun VTL Plus	
Media Changer Emulation	Sun VTL
Tape Devices Emulation	9840C 9940B HP LTO-3 IBM LTO-3 T10000
General Notes	Each 9840B and 9940B drive has 2 FC ports. One port per drive should be used. Each 9840 and 9940B drive requires an individual cable/port connection into the Fibre Channel switch.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

McDATA Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/mcdata.html.

Table 2-309. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix

Operating System	NetApp Data ONTAP 7.3.x
NetApp Platforms	Filers: F800, FAS270, FAS900, FAS2000, FAS3000, FAS6000 series; V-Series (formerly gFiler): GF270c Series, GF825, GF900; NearStore: R100, R150, R200
Adapter	QLogic QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462
Switches	QLogic 520x, 560x, 9000
NDMP Backup Applications	BakBone NetVault 7.1.1, 7.4.5 CommVault Galaxy QiNetix 6.1 EMC Networker 7.2.1 Hewlett-Packard Data Protector 6.0 IBM Tivoli Storage Manager 5.4, 6.5 Oracle Secure Backup 10.1.0.3 Symantec BackupExec 11d Symantec NetBackup 5.9, 6.0, 6.5
Sun StorageTek Library: L180, L700, L1400	
Tape Devices	9840A/B/C FC 9940A/B FC HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2/4Gb HP LTO-4 FC HP LTO-4 LVD IBM LTO-2 FC IBM LTO-2 LVD IBM LTO-3 FC 2/4Gb IBM LTO-3 LVD IBM LTO-4 FC SDLT 600 FC SDLT 600 LVD T10000 FC 2/4Gb
Bridges	Crossroads 4250 Crossroads 10K (single-port only)
Notes	ACSLS config OK. Up to 10 DLT 8000 can be configured in an L180. Up to 20 DLT 8000 can be configured in an L700. Up to 6 9840B drives can be configured in an L180. Up to 12 9840B drives can be configured in an L700.

Table 2-309. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix (Continued)

Sun StorageTek Library: L5500	
Tape Devices	9840A/B/C FC 9940A/B FC IBM LTO-1 FC IBM LTO-2 FC IBM LTO-3 FC
Notes	ACSLS 7.0 minimum.
Sun StorageTek Library: Powderhorn 9310	
Tape Devices	9840A/B/C FC 9940A/B FC T10000 2/4Gb
Sun StorageTek Library: SL500	
Tape Devices	HP LTO-2 FC HP LTO-2 LVD HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC HP LTO-4 LVD IBM LTO-2 FC/LVD IBM LTO-3 FC (2/4Gb)/LVD IBM LTO-4 FC SDLT 600 FC/LVD
Bridge	Crossroads 4250 Crossroads 10K (STK 3300, 3400)
Sun StorageTek Library: SL3000	
Tape Devices	9840C FC HP LTO-3 FC 2/4Gb HP LTO-4 FC 4Gb IBM LTO-3 FC 2/4Gb IBM LTO-4 FC 4Gb
Notes	ACSLS 7.3 minimum.

Table 2-309. NetApp's Sun StorageTek Fibre Channel TapeSAN with QLogic Adapters and QLogic Switches Matrix (Continued)

Sun StorageTek Library: SL8500	
No SCSI Media Changer Support (API)	ACSLS required.
Tape Devices	9840B/C FC 9940B FC HP LTO-2 FC HP LTO-3 FC 2Gb HP LTO-3 FC 4Gb HP LTO-4 FC 4Gb IBM LTO-2 FC IBM LTO-3 FC 2/4Gb IBM LTO-4 FC SDLT 600 FC T10000 FC 2/4Gb
Notes	ACSLS 7.1 minimum.
Sun StorageTek Library: Sun VTL Plus	
Media Changer Emulation	Sun VTL
Tape Devices Emulation	9840C 9940B HP LTO-3 IBM LTO-3 T10000
General Notes	Each 9840B and 9940B drive has 2 FC ports. One port per drive should be used. Each 9840 and 9940B drive requires an individual cable/port connection into the Fibre Channel switch.

Source: NetApp 2/9/09

Fibre Channel Fabric TapeSAN Backup Solutions. See http://www.netapp.com/osn/info/config.html.

QLogic Switch Configuration for TapeSAN Backup Solution. See http://www.netapp.com/us/technology/osn/qlogic.html.

The following matrix specifies NetApp DataFort security appliances interoperability with QLogic Adapters.

Table 2-310. NetApp DataFort Interoperability with QLogic Adapters Matrix

NetApp Product	Operating System	QLogic Adapter	Target
DataFort FC440, FC520, T520	Linux: Red Hat Linux 7.1	QLA2300 QLA2302 QLA2340	3PAR InServ S800; Compaq RA8000; EMC Symmetrix 5265/5267, CLARiiON FC4700; HDS Lightning 9900, Thunder 9200; HP EVA12000, StorageWorks Virtual Array 7410, XP 128; IBM ESS, FAStT500; LSI/Engenio Array; NEC iStorage S4100; Sun StorEdge A5000; Toshiba ArrayFort 1500; Xiotech Magnitude
	Solaris SunOS 5.8 sun4u sparc SUNW, Ultra-60	QLA2300 QLA2302 QLA2340	
	Windows 2000 Server SP3 Windows 2000 AS SP3	QLA2300 QLA2302 QLA2310 QLA2340	
DataFort FC520, FC525, FC1020	Linux: Red Hat Linux 4 SuSE Linux 9.x	QLA246x QLE246x	EMC CX300, CX700, DMX800; HP EVA 5000, 6000, 8000; IBM DS4300; NetApp FAS270, FAS3050
	Solaris 9, 10	QLA246x QLE246x	
	Windows 2000 Windows 2003	QLA246x QLE246x	

Table Notes
NetApp DataFort products were previously known as Decru DataFort products. NetApp acquired Decru in 2005.

Source: Decru 11/10/06

Newtech

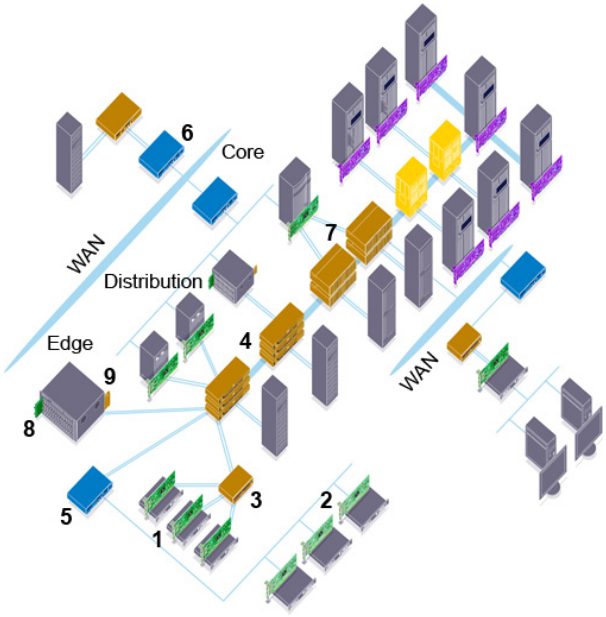
www.newtech.co.jp

Newtech and the QLogic Platform

Newtech products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-311. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-311. Newtech and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Newtech and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Newtech.

Table 2-312. Newtech Product Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Newtech Product	Operating System	QLogic Adapter	QLogic Switch
EvolutionII SATA RAID FC	Linux Solaris Windows	QLA2340 QLA2342 QLA2460 QLA2462 QLE2460 QLE2462	SB1400 SB520*x*
	Red Hat Enterprise Linux 5.1	QLE256x Dell Dual Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB1404
Supremacy SATA RAID FC	Red Hat Enterprise Linux 5.1	QLE256x Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB1404

Source: Newtech 1/9/08, 10/2/08; QLogic 1/27/09

Nexsan Technologies

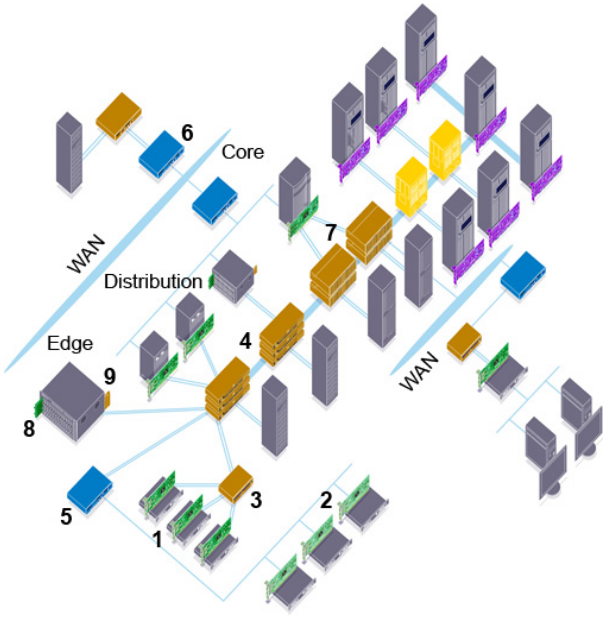
www.nexsan.com

Nexsan Technologies and the QLogic Platform

Nexsan Technologies™ products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-313. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-313. Nexsan Technologies and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Nexsan and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Nexsan.

- Table 2-314. Nexsan Product Interoperability with QLogic Fibre Channel Adapters
- Table 2-315. Nexsan Product Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-316. Nexsan Product Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-314. Nexsan Product Interoperability with QLogic Fibre Channel Adapters

Server	Nexsan Product	Operating System	QLogic Adapter
Dell Power Edge 1850	SATABeast SATABoy	Windows 2003	QLE256x Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)
Dell Power Edge 2850 Dell Power Edge 2950	ATABeast ATABoy2F ATABoy2X SATABeast SATABlade SATABoy	Linux	QLA2310F QLA2340 QLA2342 QLA2344 QLE2462
		Solaris	QLA2310F QLA2340 QLA2342 QLA2344
		Windows 2000	QLA2310F QLA2340 QLA2342 QLA2344
		Windows 2003	QLA2310F QLA2340 QLA2342 QLA2344 QLE2462 QLE2464
		Windows NT 4.0	QLA2310F QLA2340 QLA2342

Table 2-314. Nexsan Product Interoperability with QLogic Fibre Channel Adapters (Continued)

Server	Nexsan Product	Operating System	QLogic Adapter
Dell Power Edge 2850 Dell Power Edge 2950 (Continued)	ATABeast ATABoy2F ATABoy2X SATABeast SATABlade SATABoy (Continued)	Windows XP	QLA2310F QLA2340 QLA2342

Source: Nexsan 3/19/07, 7/24/08; QLogic 1/27/09

Table 2-315. Nexsan Product Interoperability with QLogic iSCSI Adapters Matrix

Server	Nexsan Product	Operating System	QLogic Adapter
Dell Power Edge 2850 Dell Power Edge 2950	SATABeast SATABlade SATABoy	Linux Windows 2003	QLA4050C QLA4052C

Source: Nexsan 3/19/07

Table 2-316. Nexsan Product Interoperability with QLogic Fibre Channel Switches Matrix

Server	Nexsan Product	QLogic Switch
Dell Power Edge 1850	SATABeast SATABoy	SB580*x*V SB9008V
Dell Power Edge 2850 Dell Power Edge 2950	ATABeast ATABoy2F ATABoy2X SATABeast SATABlade SATABoy	SB1400 SB520*x* SB560*x*

Source: Nexsan 3/19/07, 7/24/08; QLogic 10/23/08

Open-E

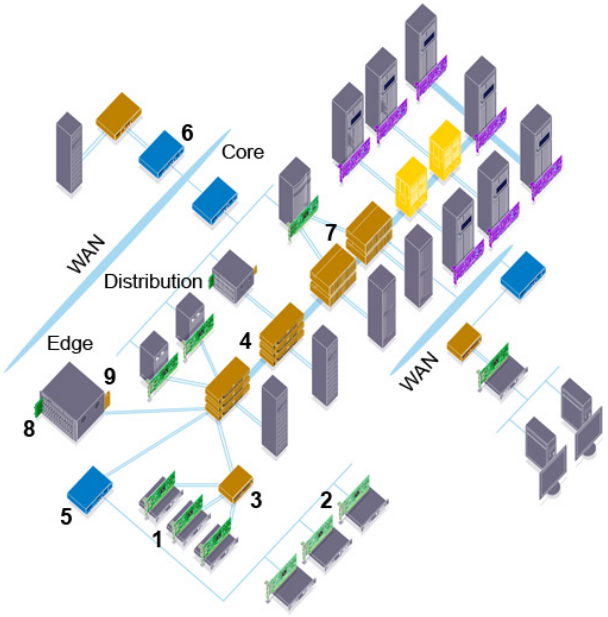
www.open-e.com

Open-E and the QLogic Platform

Open-E® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-317. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-317. Open-E and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Open-E and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Open-E.

- Table 2-318. Open-E Product (Initiator Mode) Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-319. Open-E DSS (Target Mode) Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-320. Open-E iSCSI (Target Mode) Interoperability with QLogic iSCSI Adapters Matrix

Table 2-318. Open-E Product (Initiator Mode) Interoperability with QLogic Fibre Channel Adapters Matrix

Open-E Products	QLogic Adapter
DSS iSCSI iSCSI-R3 NAS-R3 NAX-XSR	IBM QLogic 4Gb SFF Fibre Channel Expansion Card (26R0890) (QMC2462S) IBM QLogic 4Gb Standard Fibre Channel Expansion Card (26R0884) (QMC2462) QCP2332, QCP2340, QCP2342, QEM2460, QEM2462, QLA2310, QLA2332, QLA2340, QLA2342, QLA2344, QLA2350, QLA2352, QLA2440, QLA2442, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QME2462, QSB2340, QSB2342
Table Notes Fiber Channel Adapters are supported only in Enterprise product line.	

Source: Open-E 3/17/08

Product Compatibility, Fibre Channel Adapter (initiator mode), QLogic. Open-E web page, 3/17/08

Table 2-319. Open-E DSS (Target Mode) Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Adapter
QLA2310 QLA2332 QLA2340 QLA2342 QLA2344 QLA2350 QLA2352 QLA2460 QLA2462

Source: Open-E 3/17/08

Product Compatibility, Fibre Channel Adapter (target mode). Open-E web page, 3/17/08

Table 2-320. Open-E iSCSI (Target Mode) Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter
Windows Linux	QLA4010 QLA4010C

Table Notes

- iSCSI hardware initiators installed in Windows and Linux workstations tested for interoperability with Open-E iSCSI target.
- All hardware Initiator adapters support remote OS boot directly from the target device.

Source: Open-E 3/17/08

Product Compatibility, iSCSI initiator, Hardware. Open-E web page, 3/17/08

Oracle

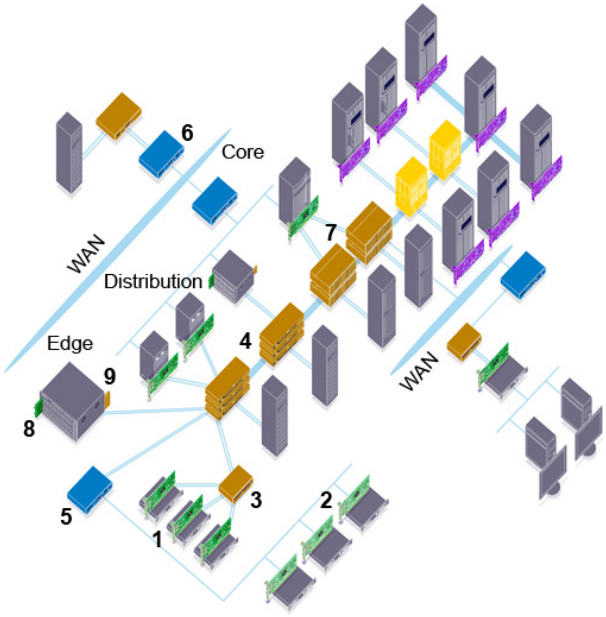
www.oracle.com

Oracle and the QLogic Platform

Oracle Corporation products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-321. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-321. Oracle and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Oracle and QLogic Interoperability Matrices

Oracle Enterprise Linux is binary compatible with Red Hat Enterprise Linux. Any network adapters and switches that support Red Hat Enterprise Linux also support Oracle Enterprise Linux. Refer to the storage or server company matrices to determine which QLogic adapters and switches are supported in a Red Hat Enterprise Linux environment for that vendor.

Please refer to Oracle's supported releases at https://linux.oracle.com/supported.html.

Oracle VM is compatible with Oracle Enterprise Linux. Therefore, the same compatibility is applicable to Oracle VM.

Source: Oracle 3/2010

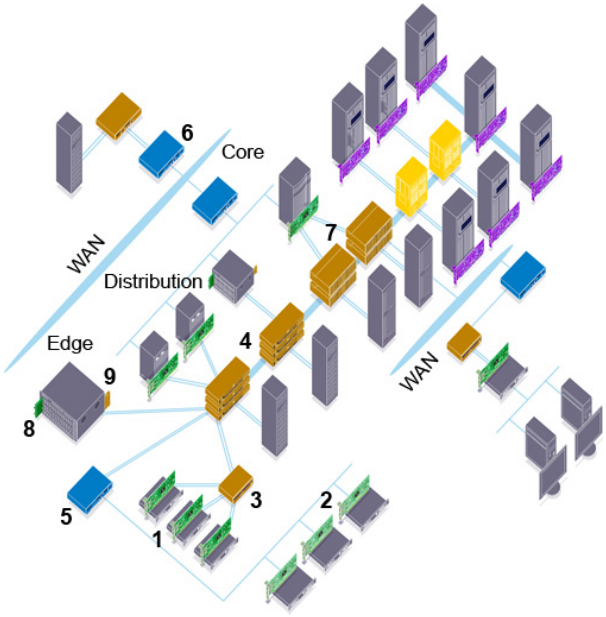
Overland Storage

www.overlandstorage.com

Overland and the QLogic Platform

Overland Storage, Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-322. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-322. Overland and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
✓	2 QL*x*40*xx* iSCSI Adapters	
✓	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Overland Storage and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Overland Storage®.

- Table 2-323. Overland Storage SNAPserver Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-324. Overland Storage Tape Library Compatibility with QLogic Fibre Channel and iSCSI Adapters, and Fibre Channel Switches Matrix

Table 2-323. Overland Storage SNAPserver Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter
Windows XP Windows Server 2000, 2003, 2008 RHEL 4, 5 SLES 9, 10 VMware ESX 3.01, 3.02, 3.5 XenServer 4.1 or later	QLA4050C QLA4052C

Source: Overland Storage 2/26/10

SNAPserver Compatibility Guide for GuardianOS 5.2 Based Systems, 10/27/09

Table 2-324. Overland Storage Tape Library Compatibility with QLogic Fibre Channel and iSCSI Adapters, and Fibre Channel Switches Matrix

Overland Storage Product	QLogic Adapter	QLogic Switch
NEO Series REO Series	QLA246*x* QLE246*x* QLE256*x* QLA405*x*C QLE406*x*C	SB1400 SB520*x* SB5600 SB580*x* SB9000

Source: Overland Storage 2/26/10; QLogic 1/27/09

Overland Storage Software and Hardware Compatibility List, February 2010

Pillar

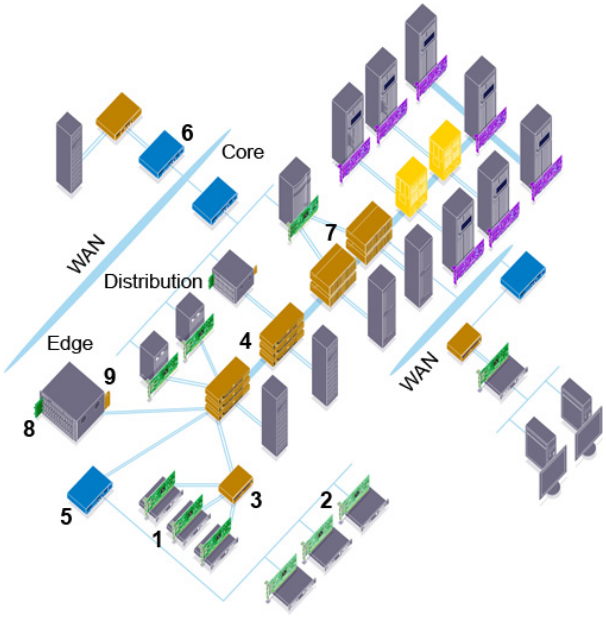
www.pillardata.com

Pillar and the QLogic Platform

Pillar Data Systems, Inc. products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-325. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-325. Pillar and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
✓	9 Blade Server Switch Modules



Pillar Data Systems and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Pillar.

- Table 2-326. Pillar Axiom 1.3 SAN for Windows Interoperability with QLogic Adapters Matrix
- Table 2-327. Pillar Axiom 1.3 SAN for Solaris Interoperability with QLogic Adapters Matrix
- Table 2-328. Pillar Axiom 1.3 SAN for Linux Interoperability with QLogic Adapters Matrix
- Table 2-329. Pillar Axiom 500 2.6 Storage Systems and AxiomONE Path Manager Interoperability with QLogic Adapters Matrix
- Table 2-330. Pillar Axiom 300 and Axiom 500 2.6 Storage Systems Interoperability with QLogic Switches Matrix
- Table 2-331. Pillar Axiom 300 and Axiom 500 Storage Systems and Tape Library Interoperability with QLogic Adapters Matrix
- Table 2-332. Pillar Axiom 300 and 500 Storage Systems for Windows Interoperability with QLogic Adapters Matrix
- Table 2-333. Pillar Axiom 500 Storage Systems for Solaris 8 and 9 Interoperability with QLogic Adapters Matrix
- Table 2-334. Pillar Axiom 300 and 500 Storage Systems for Solaris 10 Interoperability with QLogic Adapters Matrix
- Table 2-335. Pillar Axiom 300 and 500 Storage Systems for Linux Interoperability with QLogic Adapters Matrix
- Table 2-336. Pillar Axiom 300 and 500 Storage Systems for HP-UX Interoperability with QLogic Adapters Matrix
- Table 2-337. Pillar Axiom 500 Storage Systems for IBM BladeCenter Interoperability with QLogic Adapters Matrix
- Table 2-338. Pillar Axiom 500 Storage Systems for HP Blade Center Interoperability with QLogic Adapters Matrix
- Table 2-339. Pillar Axiom 300 and 500 Storage Systems for iSCSI Gateway Products Interoperability with QLogic Adapters Matrix
- Table 2-340. Pillar Axiom 300 and Axiom 500 Storage Systems Interoperability with QLogic Switches Matrix

Table 2-326. Pillar Axiom 1.3 SAN for Windows Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
Windows 2000 Advanced Server SP4 Windows 2000 Server SP4 Windows 2003 Enterprise Edition Windows 2003 Standard Edition Windows 2003 Web Edition	QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344
Table Notes Processor architecture: x86-32. Multipathing using Axiom Path Manager 01.04.03	

Source: Pillar Data Systems, Inc. 9/1/05

Table 2-327. Pillar Axiom 1.3 SAN for Solaris Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
Solaris 8, 9	QCP2340, QCP2342 QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344
Table Notes Processor architecture: SPARC. Multipathing using Axiom Path Manager 01.04.03	

Source: Pillar Data Systems, Inc. 9/1/05

Table 2-328. Pillar Axiom 1.3 SAN for Linux Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
Red Hat Advanced Server 3 Red Hat Enterprise Server 3	QCP2340, QCP2342 QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344
Table Notes Processor architecture: x86-32 Multipathing using Axiom Path Manager 01.04.03	

Source: Pillar Data Systems, Inc. 9/1/05

Table 2-329. Pillar Axiom 500 2.6 Storage Systems and AxiomONE Path Manager Interoperability with QLogic Adapters Matrix

QLogic Adapter	Operating System	Application
QLA2462 QLE2462	Red Hat Enterprise Linux 4	Pillar Data Systems AxiomONE Path Manager 2.1.3
	Windows Server 2003 SP2	Pillar Data Systems AxiomONE Path Manager 2.2.8

Source: Pillar 8/8/07

QLogic Switch and Pillar Axiom Certification Test Plan, August 2007

Table 2-330. Pillar Axiom 300 and Axiom 500 2.6 Storage Systems Interoperability with QLogic Switches Matrix

QLogic Switches
SB1404 SB520*x* SB560*x* SB9100

Source: Pillar 8/8/07

QLogic Switch and Pillar Axiom Certification Test Plan, August 2007

Table 2-331. Pillar Axiom 300 and Axiom 500 Storage Systems and Tape Library Interoperability with QLogic Adapters Matrix

Tape Library	Pillar Storage System	QLogic Adapter
ADIC Scalar 24 ADIC Scalar 100 ADIC Scalar i2000	Axiom 300 1.*x* Axiom 500 1.*x*, 2.*x*	QLA2340[a]
Dell Power Vault 132T	Axiom 300 1.*x* Axiom 500 1.*x*, 2.*x*	QLA2340[a]
FalconStor Virtual Tape Library (VTL)	Axiom 500 1.7	QLA2342[b]

Table Notes

[a]The QLogic QLA2340 is the slammer interface.

[b]Pillar Data Systems supports using QLogic QLA2342 Adapters in the VTL appliance for Fibre Channel connection to the Pillar Axiom storage system.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-332. Pillar Axiom 300 and 500 Storage Systems for Windows Interoperability with QLogic Adapters Matrix

Operating System	Pillar Storage System	Multi-Pathing	Cluster Support	QLogic Adapter
Windows 2000 Server SP4 Windows 2000 Advanced Server SP4	Axiom 300 1.x Axiom 500 1.x, 2.x	APM 2.1.2	N/A	QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344 QLA2460, QLA2462 QLE2460, QLE2462
	Axiom 500 1.x	APM 2.0.6	N/A	QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344
Windows Server 2003 Enterprise Edition SP1, R2 Windows Server 2003 Standard Edition SP1, R2	Axiom 300 1.x Axiom 500 1.x, 2.x	APM 2.1.2	MSCS	QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344 QLA2460, QLA2462 QLE2460, QLE2462
Windows Server 2003 Enterprise Edition SP1 Windows Server 2003 Standard Edition SP1	Axiom 500 1.x	APM 2.0.6	MSCS	QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344

Table Notes

- Pillar Axiom supports both direct-connect and fabric-connect configurations.
- If the Adapter BIOS and driver support booting from SAN, Pillar Axiom supports boot-from-SAN.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-333. Pillar Axiom 500 Storage Systems for Solaris 8 and 9 Interoperability with QLogic Adapters Matrix

Operating System	Multi-Pathing	Cluster Support	QLogic Adapter
Solaris 8, 9 on SPARC-32 and SPARC-64	APM 01.04.05	N/A	QCP2340, QCP2342 QLA2310F, QLA2310FL QLA2340, QLA2340L QLA2342, QLA2342L QLA2344

Table Notes
- Pillar Axiom 500 1.*x*, 2.*x*.
- Pillar Axiom supports both direct-connect and fabric-connect configurations.
- If the Adapter BIOS and driver support booting from SAN, Pillar Axiom supports boot-from-SAN.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-334. Pillar Axiom 300 and 500 Storage Systems for Solaris 10 Interoperability with QLogic Adapters Matrix

QLogic Adapter		
Sun Part Number	**QLogic Part Number**	**Pillar Part Number**
SG-XPCI1FC-QF2 (X6767A)	QLA2310F-CK	375-3102
SG-XPCI1FC-QL2	QLA2340-SUN-XO	375-3383
SG-XPCI2FC-QF2 (X6768A)	QLA2342-CK	375-3108
SG-XPCI2FC-QF2-Z<super:bold>	QLA2342R-SUN-XO	375-3363
SG-XPCI1FC-QF4	QLA2460-SUN-XO	375-3354
SG-XPCI2FC-QF4	QLA2462-SUN-XO	375-3294
SG-XPCIE1FC-QF4	QLE2460-SUN-XO	375-3355
SG-XPCIE2FC-QF4	QLE2462-SUN-XO	375-3356

Table Notes
- Pillar Axiom 300 1.*x*; Axiom 500 1.*x*, 2.*x*.
- Pillar Axiom supports both direct-connect and fabric-connect configurations.
- If the Adapter BIOS and driver support booting from SAN, the Pillar Axiom supports boot-from-SAN.
- Supports multipathing with Sun StorEdge Traffic Manager software (STMS).

These Adapters are Restriction of Hazardous Substances (RoHS) compliant.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-335. Pillar Axiom 300 and 500 Storage Systems for Linux Interoperability with QLogic Adapters Matrix

Operating System	Multi-Pathing	Cluster Support	QLogic Adapter
Red Hat Enterprise Linux 3 Advanced Server U5, U6, U7 Red Hat Enterprise Linux 3 Enterprise Server U5, U6, U7	APM 2.1.8	N/A	QLA2340, QLA2340L QLA2342, QLA2342L QLA2344
Red Hat Enterprise Linux 4 Advanced Server U2, U3 Red Hat Enterprise Linux 4 Enterprise Server U2, U3	APM 2.0.3	N/A	QLA2310F QLA2340, QLA2340L QLA2342, QLA2342L QLA2344 QLA2460, QLA2452 QLE2460, QLE2462
SuSE Linux Enterprise Server (SLES) 9 SP2, SP3	N/A	N/A	QLA2310F QLA2340, QLA2340L QLA2342, QLA2342L QLA2344 QLA2460, QLA2452 QLE2460, QLE2462

Table Notes
- Pillar Axiom 300 1.*x*; Axiom 500 1.*x*, 2.*x*.
- Pillar Axiom supports both direct-connect and fabric-connect configurations.
- If the Adapter BIOS and driver support booting from SAN, Pillar Axiom supports boot-from-SAN.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-336. Pillar Axiom 300 and 500 Storage Systems for HP-UX Interoperability with QLogic Adapters Matrix

Operating System	Pillar Storage System	Multi-Pathing	Cluster Support	QLogic Adapter
HP-UX 11i.v1 (on PA-RISC 2.0, PVLinks, or VERITAS DMP 5)	Axiom 300 1.x Axiom 500 2.x	APM 2.0.3	N/A	HP A6826A (QLA2342-UX-HP-BK) HP AB379A (QLA2462-HP-SP)
HP-UX 11i.v2 (on PA-RISC 2.0, PVLinks, or VERITAS DMP 5)	Axiom 300 1.x Axiom 500 2.x	APM 2.0.3	N/A	HP A6826A (QLA2342-UX-HP-BK) HP AB379A (QLA2462-HP-SP)

Table 2-336. Pillar Axiom 300 and 500 Storage Systems for HP-UX Interoperability with QLogic Adapters Matrix (Continued)

Operating System	Pillar Storage System	Multi-Pathing	Cluster Support	QLogic Adapter
HP PVLinks (on PA-RISC or PVLinks)	Axiom 500 1.*x*	N/A	N/A	HP A6826A (QLA2342-UX-HP-BK)

Table Notes
- Pillar Axiom supports both direct-connect and fabric-connect configurations.
- If the Adapter BIOS and driver support booting from SAN, Pillar Axiom supports boot-from-SAN.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-337. Pillar Axiom 500 Storage Systems for IBM BladeCenter Interoperability with QLogic Adapters Matrix

Operating System	Multi-Pathing	SAN Boot with Multi-Plexing	Single Path	QLogic Adapter
Windows Server 2003 Enterprise Edition SP1 x86-32 Windows Server 2003 Standard Edition SP1 x86-32	APM 2.0.5	Yes	Yes	IBM QLogic 2Gb Standard Fibre Channel Expansion Card (13N2203)
Red Hat Enterprise Linux 3 Advanced Server U5 Red Hat Enterprise Linux 3 Enterprise Server U5	APM 2.1.5	Yes<super:bold>	Yes	IBM QLogic 2Gb Standard Fibre Channel Expansion Card (13N2203)
SUSE Linux Enterprise Server (SLES) 9 SP3	mdadm Linux multi-pathing	Yes	Yes	IBM QLogic 2Gb Standard Fibre Channel Expansion Card (13N2203)

Table Notes
- Pillar Axiom 500 1.*x*.
- Pillar Axiom supports both direct-connect and fabric-connect configurations.
- If the Adapter BIOS and driver support booting from SAN, Pillar Axiom supports boot-from-SAN.

Booting from SAN may be problematic and is not recommended with a bootable operating system already installed on an enabled local drive.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-338. Pillar Axiom 500 Storage Systems for HP Blade Center Interoperability with QLogic Adapters Matrix

Operating System	Multi-Pathing	SAN Boot with Multi-Pathing	Single Path	SAN Boot Single Path	QLogic Adapter
HP PVLinks	PVLinks	No	Yes	Yes	HP QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3 (ISP2312 (ASIC only)) (361426-B21)

Table Notes
- Pillar Axiom 500 1.*x*.
- Pillar Axiom supports both direct-connect and fabric-connect configurations. Direct attach is not supported using point-to-point protocol.
- If the Adapter BIOS and driver support booting from SAN, Pillar Axiom supports boot-from-SAN. Note:
  - Booting from SAN with alternate paths to the boot LUN is not supported.
  - Multiple paths to additional data LUNs are supported. However, any loss of connectivity to the host or storage side boot path causes loss of access to the server.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-339. Pillar Axiom 300 and 500 Storage Systems for iSCSI Gateway Products Interoperability with QLogic Adapters Matrix

iSCSI Gateway<super:bold>	Operating System	QLogic Adapter	Multi-Pathing	iSCSI Boot from SAN
Brocade	Windows 2000 SP1	QLA4010	No	Yes
Cisco MDS 9216A with DS-X9304-SMIP, DS-X9308-SMIP Cisco MDS 9216i	SUSE Linux Enterprise Server (SLES) 9 SP3 x86-64	QLA4010	Storage side failover handled by Cisco fabric	Yes

Table Notes
Pillar Axiom 300 1.*x*; Axiom 500 1.*x*, 2.*x*.
Can only be connected into Cisco FC switch fabrics.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Table 2-340. Pillar Axiom 300 and Axiom 500 Storage Systems Interoperability with QLogic Switches Matrix

QLogic Switch
IBM QLogic 10-port 4Gb Fibre Channel Switch Module for IBM BladeCenter (32R1904) SB520*x* SB560*x*
Table Notes Pillar Axiom 300 1.*x*; Axiom 500 1.*x*, 2.*x*.

Source: Pillar Data Systems, Inc. 1/8/07

Pillar Axiom Support and Interoperability Guide for Pillar Axiom 300 and 500 Hardware and Software. December 2006. Part Number 4420-00072-0400

Promise

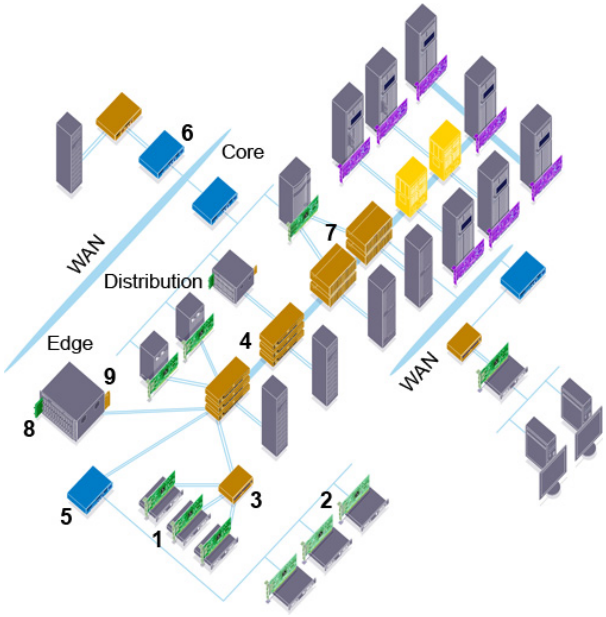
www.promise.com

Promise and the QLogic Platform

Promise Technology, Inc.® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-341. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-341. Promise and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
✓	2 QL*x*40*xx* iSCSI Adapters	
✓	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	



Promise and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Promise Technology™.

Table 2-342. Promise VTrak E-Class Interoperability with QLogic Adapters and Switches Matrix

Promise Product	Operating System	QLogic Adapter	QLogic Switch
VTrak E310f	Red Hat Enterprise Linux 5.2 x86/x64	QLA2340	SB1400
VTrak E310s	Red Hat Enterprise Linux 5.3 x86/x64	QLA2342	SB5200
VTrak E610f	SuSE Linux Enterprise Server 10.2 x86/x64	QLA2460	SB5600Q
VTrak E610s	SuSE Linux Enterprise Server 11 x86/x64	QLA2462	SB5802V
VTrak J310s	VMware ESX Server 3.5 Update 4 x86	QLE2460	SB9*xxx* 4Gb/8Gb
VTrak J610s	VMware ESX Server 4.0 x64	QLE2462	
	Windows Server 2003 SP2 x86/x64	QLE2464	
	Windows Server 2003 R2 SP2 x86/x64	QLE2560	
	Windows Server 2008 SP1 x86/x64	QLE2562	
	Windows Server 2008 SP2 x86/x64		
	Windows Server 2008 Hyper-V x64		

Source: Promise 3/8/10.

VTrak E-Class Compatibility List v2.5. Promise Technology, Inc. 2010

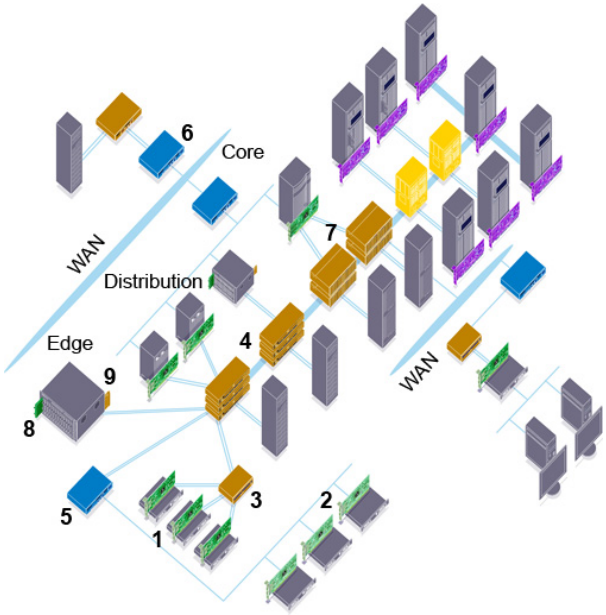
Qualstar

www.qualstar.com

Qualstar and the QLogic Platform

Qualstar products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-343. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-343. Qualstar and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
✓	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Qualstar and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Qualstar.

- Table 2-344. Qualstar XLS, TLS, and RLS Series Tape Libraries Interoperability with QLogic Fibre Channel Adapters and Switches Matrix
- Table 2-345. Qualstar XLS, TLS, and RLS Series Tape Libraries Application Support Matrix

Table 2-344. Qualstar XLS, TLS, and RLS Series Tape Libraries Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Red Hat Linux 7.2 Kernel 2.4.9-31	QLA2300 QLA2342	SB520*x* SB560*x*
Solaris SPARC 8, 10	QLA2300 QLA2342	SB520*x* SB560*x*
Windows NT 4.0 SP 6a	QLA2300 QLA2310 QLA2342	SB520*x* SB560*x*
Windows 2000 Advanced Server SP2	QLA2300 QLA2310 QLA2342 QLA246*x* QLA4010 QLE246*x*	SB520*x* SB560*x*
Windows 2003	QLA2300 QLA2310 QLA2342 QLA246*x* QLA4010 QLE246*x*	SB520*x* SB560*x*
Windows 2003 Server	QLE246*x* QLE256*x* Dell Dual-Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB520*x* SB560*x*
Windows 2003 Server x86 R2	QLE4062C	SB520*x* SB560*x*

Source: Qualstar 9/29/06, 9/22/08, 1/8/08; QLogic 1/27/09

Table 2-345. Qualstar XLS, TLS, and RLS Series Tape Libraries Application Support Matrix

		Support								Operating System									
Developer	Product	RLS-Xnnn*	TLS-4000	TLS-6000	TLS-8000	LTO-4	AIT-5	TLS-5000	XLS-8000	Mac OS	Linux	HP-UX	Windows 2000	Windows 2003	NetWare	SGI IRIX	Solaris	AIX	Notes
Arkeia Corp.	Arkeia	Y	Y	Y	Y			Y			Y	Y				Y	Y	Y	I
Atempo	Time Navigator	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	Y	I
BakBone Software	NetVault	Y	Y	Y	Y	D	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	I
CommVault	Galaxy	Y	Y	Y	Y	Y	Y	Y	Y	I		Y	Y	Y	Y		Y	Y	I
CA	ARCserve r11.5	Y	Y	Y	Y	D	D	Y	Y		Y	Y	Y	Y			Y	Y	
	ARCserve v11 NetWare	Y	Y	Y	Y			Y							Y				
	ARCserve v9 NetWare	Y	Y	Y	Y			Y							Y				
	ARCserve 2000	Y	Y	Y	Y			Y					Y						
	ARCServe r11.1 Linux	Y	Y	Y	Y			Y			Y								
	ARCserve 7 for Linux	Y	Y	Y	Y			Y			Y								
	BrightStor EB W2000	Y	Y	Y	Y			Y					Y	Y					
	BrightStor EB UNIX®	Y	Y	Y	Y			Y				Y					Y	Y	I
Connected Corporation	Connected Online Backup		Y	Y															
Cristie Data Products	PC-Bax	Y	Y	Y	Y			Y			Y		Y	Y			Y		
EMC	NetWorker	Y	Y	Y	Y	I	Y	Y	Y		Y	Y	Y	Y		Y	Y	Y	I
	GMS SmartMedia		Y	Y	Y							Y	Y				Y		
	AlphaStor		Y	Y	Y						Y	Y			Y	Y	Y	Y	
	DiskXtender 2000		Y	Y	Y			Y					Y	Y					
	DiskXtender Linux/Unix		Y	Y	Y						Y	Y				Y	Y	Y	
	Unitree Central File System		Y	Y							Y	Y				Y	Y		I
EMC Dantz Development	Retrospect	Y	Y	Y	Y	Y	Y	Y		Y			Y	Y					
everStor	Replicator	Y	Y	Y	Y			Y			Y						Y		
	Hiarc HSM	Y	Y	Y	Y			Y									Y		
	Jb-Driver	Y	Y	Y	Y			Y			Y						Y		

Table 2-345. Qualstar XLS, TLS, and RLS Series Tape Libraries Application Support Matrix (Continued)

		Support								Operating System									
Developer	Product	RLS-Xnnn*	TLS-4000	TLS-6000	TLS-8000	LTO-4	AIT-5	TLS-5000	XLS-8000	Mac OS	Linux	HP-UX	Windows 2000	Windows 2003	NetWare	SGI IRIX	Solaris	AIX	Notes
FalconStor	VTL	Y	Y	Y	Y			Y			Y	Y	Y	Y	Y	I	Y	Y	I
Front Porch Digital	DIVArchive				Y			Y					Y	Y			Y		
Hewlett-Packard	Storage Data Protector	Y	Y	Y	Y	Y	Y	Y	Y		Y		Y	Y	Y		Y	I	I
Kayser-Threde	pro_trieve		Y		Y			Y			Y		Y						
Knox Software																			●
LiveVault Corp.	LiveVault (see config limit)		Y	Y	Y								Y						I
Luminex	Channel Gateway	Y	Y	Y	Y	Y	Y	Y	Y										I
Microsoft	Data Protection Manager 2007	Y	Y	Y	Y	Y	Y	Y	Y				●	Y					
mtx	Linux	●	●	●	●	●	●	●	●		Y								I
NetApp	NearStore VTL	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y		Y	Y	I
NovaStor	NovaBack	Y	Y	Y	Y		Y	Y			Y		Y	Y	Y				I
	NovaNet	Y	Y	Y	Y		Y	Y			Y		Y	Y	Y				I
Oracle	Secure Backup	Y	Y	Y	Y			Y			Y	Y				Y	Y	Y	I
QStar Technologies	Data Director	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	Y		Y	Y	Y	I
	HSM	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	Y		Y	Y	Y	I
Quantum	StorNext					Y			Y		Y						Y		I
Software Generation	FlashNet; Also www.xinet.com	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y				Y		
SQL Business Systems	SQLStor		Y																
Symantec	Backup Exec	Y	Y	Y	Y	Y	Y	Y	Y				Y	Y	Y				I
	Backup Exec with SSO	Y	Y	Y	Y			Y					Y	Y	I				I
	Veritas NetBackup	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y	Y	I	Y	Y	I
Syncsort Incorporated	Backup Express	Y	Y	Y	Y	Y		Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	I
Sun LSC	StorEdge SAM-FS	Y	Y	Y	Y			Y									Y		

Table 2-345. Qualstar XLS, TLS, and RLS Series Tape Libraries Application Support Matrix (Continued)

		Support								Operating System									
Developer	Product	RLS-Xnnn*	TLS-4000	TLS-6000	TLS-8000	LTO-4	AIT-5	TLS-5000	XLS-8000	Mac OS	Linux	HP-UX	Windows 2000	Windows 2003	NetWare	SGI IRIX	Solaris	AIX	Notes
Tantia Technologies	Tantia Network Storage Manager		Y	Y									Y						
Teradactyl	TIBS	Y	Y	Y	Y	Y	D	Y	Y		Y						Y		
Tivoli Software	Tivoli Storage Manager	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y			Y	Y	
TOLIS Group	BRU Server	Y	Y	Y	Y			Y		Y	Y	Y				Y	Y	Y	I
UGSoft	ES-Backup	D	Y	D	D			D		Y	Y						Y		
UltraBac	UltraBac	D	Y	Y	D			D					Y	Y					I
Unitrends Software	Backup Pro	Y	Y	Y	Y						Y	Y				Y	Y	Y	I
	CTAR:Net	Y	Y	Y	Y						Y	Y				Y	Y	Y	I
Yosemite Technologies	TapeWare	D	Y	Y	D	D	D	D			Y		Y	Y	Y				
XenData	Archive Series	Y	Y		Y	Y		Y					Y	Y					
Zmanda	Amanda Enterprise Edition	Y	Y	Y	Y			Y	Y		Y						Y		

Table 2-345. Qualstar XLS, TLS, and RLS Series Tape Libraries Application Support Matrix (Continued)

		Support								Operating System									
Developer	Product	RLS-Xnnn*	TLS-4000	TLS-6000	TLS-8000	LTO-4	AIT-5	TLS-5000	XLS-8000	Mac OS	Linux	HP-UX	Windows 2000	Windows 2003	NetWare	SGI IRIX	Solaris	AIX	Notes

Table Notes

- "D" means that the drive is certified, but not specified in the ISV listings with the library. This generally means that the combination will work; check with the ISV for an official ruling and contact Qualstar if you receive a negative reply.
- RLS-*xxxx* includes Qualstar TeraLoader Libraries.
- A bullet (●) indicates notes and additional operating systems supported:
  - *Arkeia:* Tru64
  - *Atempo:* Tru64
  - *BakBone Software:* Tru64, NCR Unix
  - *CommVault:* Tru64
  - *CA:* Tru64. No LTO-4 nor AIT-5 with Tru64 at this time.
  - *EMC Networker drive restrictions:* No IRIX with LTO-4, AIT-4, AIT-5, SAIT, nor SDLT600. Yes Tru64 for AIT-3, LTO-2/3, SDLT320 and SDLT600; see EMC for x64 platform restrictions.
  - *FalconStor:* see FalconStor for details on configurations and limitations.
  - *HP Data Protector:* RLS and XLS current support is Windows (x86 and x64) only. See HP for updates and details on other platforms.
  - *Knox Software:* Uniware
  - LiveVault: configuration maximum of 100 slots and 5 drives
  - *Luminex Channel Gateway:* IBM Mainframe connectivity; see Luminex for details
  - *mtx:* tested to control Qualstar libraries; drive usage subject to Linux compatibility
  - *NetApp NearStore Virtual Tape Library:* OS compatibility dependent on ISV software package; Check with NetApp for details
  - *Oracle Secure Backup:* check with your Oracle representative for details on supported platforms
  - *QStar:* Tru64
  - *Quantum StorNext:* Check with Quantum for configuration details
  - *Symantec Veritas NetBackup:* LTO-4: Windows 2003, AIX, Linux, and Solaris only so far—check for updates; AIT-5: No Netware, nor Tru64; LTO-3: no IRIX, Netware; SDLT600 no Tru64; AIT-3, 4, SAIT: no IRIX, Netware, Tru64; AIT-4 no Win2K; SAIT no HP-UX
  - *Symantec* Backup Exec: SSO Netware: only TLS-4000 and TLS-8000. See Symantec for drive limitations
  - *Syncsort:* Tru64. No LTO on IRIX or Tru64
  - *TOLIS Group:* Tru64. UNIX other than Linux and Mac OS X requires mtx for proper tape library control. Windows supported as clients.
  - *UltraBac:* Also disaster recovery. Backs up Novell, Oracle, Linux via agents.
  - *Unitree:* Tru64
  - *Unitrends:* Solaris x86

Source: Qualstar 9/26/06

Qualstar ISV Software Applications Support for Qualstar XLS, TLS, and RLS Series Tape Libraries, November 2008. Located at http://www.qualstar.com/swmatrix.pdf.

Quantum

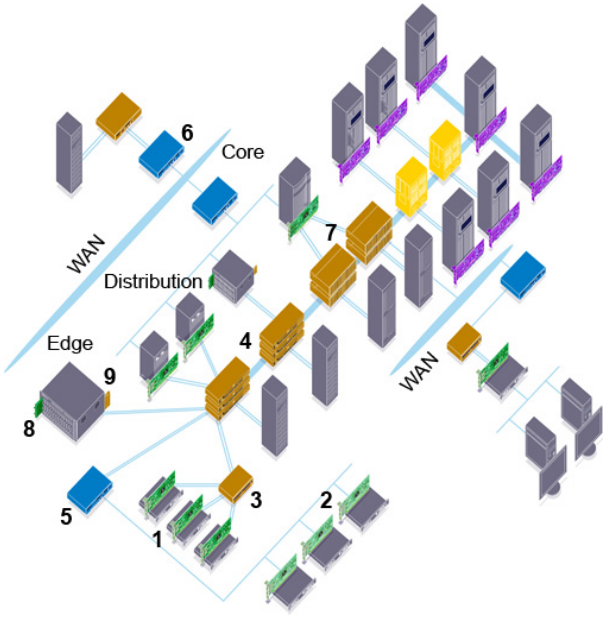
www.quantum.com

Quantum and the QLogic Platform

Quantum Corporation products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-346. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-346. Quantum and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Quantum and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Quantum.

- Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix
- Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix
- Table 2-349. Quantum's ADIC Product Interoperability with QLogic Adapters Matrix
- Table 2-350. Quantum's ADIC Product Interoperability with QLogic Switches Matrix
- Table 2-351. Quantum's ADIC and QLogic Embedded Products Matrix

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DX30	Atempo Time Navigator 3.7	QLogic QLA23xx	Windows 2000			
		QLogic QLA23xx	Windows NT 4.0			
	CA BrightStor ARCserve 7.x, 9.0	QLogic QLA23xx	NetWare	Brocade 3200 & 3800		
	Connected Corp Connected Backup	QLogic QLA23xx	Windows 2003	Brocade 3200 & 3800	DLT 7000	
	EMC NetWorker 7.1.x	QLogic QLA2342	Windows 2000	Brocade 3200 & 3800		
	EMC NetWorker 7.2	QLogic QLA2342	Red Hat Linux AS 2.1	Brocade 3200 & 3800	DLT 7000	
		QLogic QLA2342	Windows 2003	Brocade 3200 & 3800	DLT 7000	
	HP Data Protector 5.x	QLogic QLA23xx	Windows 2000	Brocade 3200 & 3800	DLT 7000	
	IBM Tivoli Storage Manager 5.1.0	QLogic QLA23xx	Solaris 8	Brocade 3200 & 3800		
	Symantec Backup Exec 9.0	QLogic QLA23xx	Windows 2000	Brocade 3200 & 3800		
	Symantec NetBackup 3.x	QLogic QLA23xx	Windows NT 4.0	QLogic 2-8/16	DLT 7000	
	Symantec NetBackup 4.5	QLogic QLA23xx	Solaris 8	Brocade 3200 & 3800		
		QLogic QLA23xx	Windows 2000	Brocade 3200 & 3800		
	Symantec NetBackup 6.x	QLogic QLA2342	Tru64 5.1a		Virtual DLT 7000	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DX100	EMC NetWorker 7.x	QLogic QLA2342	Windows 2000	McDATA 4500	DLT 7000	
	HP Data Protector 5.5	QLogic QLA23xx	Windows 2000		Virtual DLT 7000	
		QLogic QLA23xx	Windows 2003		Virtual DLT 7000	
	Symantec Net-Backup 4.5	QLogic QLA2342	Windows 2000	McDATA Sphereon 4500	DLT 7000	
	Symantec Net-Backup 5.x	QLogic QLA2342	Windows 2000	Brocade 3200 & 3800		
	Symantec Net-Backup 6.x	Emulex LP9xxx	Windows 2003	QLogic 520x	Virtual DLT 7000	
		HP A6795A	HP-UX 11.11	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Red Hat Linux AS 2.1	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Solaris 9	QLogic 520x	Virtual DLT 7000	
		QLogic QLA2342	Tru64 5.1a		Virtual DLT 7000	
		QLogic QLA4010C	Windows 2003		Virtual DLT 7000	ATTO IP Bridge 2700C

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DX Series (DX3000 & DX5000)	Atempo Time Navigator 4.x	QLogic QLA23xx	Solaris 9	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Windows 2003 x86, x64, IA64	QLogic 520x	Virtual DLT 7000	
	BakBone NetVault 7.x	QLogic QLA23xx	Solaris	QLogic 520x	Virtual DLT 7000	
	CommVault Galaxy 5.9.x	QLogic QLA23xx	Solaris 9	QLogic 520x	Virtual DLT 7000	
		QLogic QLA405x	Windows 2000 Server		Virtual DLT 7000	
	CA BrightStor ARCserve r11.1		Windows 2000		Virtual DLT 7000	QLogic 6140
		QLogic QLE2460	Windows 2003 Server	QLogic 560x	Virtual DLT 7000	
	CA BrightStor ARCserve r11.1 SP1	QLogic QLA23xx	Solaris 9	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Windows 2003 x86-64	QLogic 560x	Virtual DLT 7000	
	CA BrightStor ARCserve r11.5	QLogic QLA23xx	Solaris 9	QLogic 520x	Virtual DLT 7000	
		QLogic QLE2460	Windows 2003 x64	QLogic 560x	Virtual DLT 7000	
	EMC NetWorker 7.x	QLogic QLA405x	Red Hat Linux 4			
		QLogic QLA405x	Red Hat Linux AS 4		DLT 7000	
		QLogic QLA405x	Red Hat Linux AS 4.0 x86-64		DLT 7000	
		QLogic QLA405x	Red Hat Linux AS 4.0 x86-64	QLogic 520x & 560x		

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DX Series (DX3000 & DX5000) (Continued)	EMC NetWorker 7.3.2	QLogic QLA4050C	Red Hat Linux AS 4.0 x86-64		DLT 7000	
	HP Data Protector 5.5	QLogic QLA23xx	Solaris 9	QLogic 520x	Virtual DLT 7000	
	Symantec Backup Exec 10.x	QLogic QLA23xx	Windows 2003	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Windows 2003 x86, x64, IA64	QLogic 520x	Virtual DLT 7000	
	Symantec Net-Backup 5.x	QLogic QLA23xx	Solaris 10	QLogic 520x	Virtual DLT 7000	
	Symantec Net-Backup 6.x		HP-UX	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Red Hat Linux 8.0	QLogic 520x	Virtual DLT 7000	
		QLogic QLA23xx	Solaris 9	QLogic 520x	DLT 7000	
		QLogic QLA23xx	Windows 2003 x64, x86	QLogic 560x	Virtual DLT 7000	
		QLogic QLA405x	Windows 2003		DLT 7000	
		QLogic QLA405x	Windows 2003 Enter-prise x64		Virtual DLT 7000	
	Symantec Net-Backup 6.0 MP3	QLogic QLA2460			Virtual DLT 7000	
		QLogic QLA2460	Windows 2003 Server		Virtual DLT 7000	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi Series (DXi3500 & DXi5500)	CommVault Galaxy 7.0	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
	CA BrightStor ARC-serve 11.1	QLogic QLE2460	Windows 2003 Server	QLogic 560x	Virtual DLT 7000	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi Series (DXi3500 & DXi5500) (Continued)	CA BrightStor ARC-serve 11.5	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
		QLogic QLA4052C	Windows 2003 x86, x64		Virtual DLT 7000	QLogic 6140
		QLogic QLA4052C	Windows 2003 SP2 x86, x64		Virtual DLT 7000	QLogic 6140
		QLogic QLE256x	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
	EMC NetWorker 7.3	QLogic QLA2340	Windows 2003	McDATA 4500	HP LTO-2	
	EMC NetWorker 7.3.2	QLogic QLA2462	Solaris 10	QLogic 560x	HP LTO-2	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi Series (DXi3500 & DXi5500) (Continued)	EMC NetWorker 7.4	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
	HP Data Protector 6.0	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi Series (DXi3500 & DXi5500) (Continued)	HP Data Protector 6.0 (Continued)	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
	IBM Tivoli Storage Manager 5.3.4	QLogic QLA2342	Windows 2003		DLT 7000	
	Symantec Backup Exec 11d	QLogic QLA23xx	Windows 2003 Server	QLogic 520x	Virtual DLT 7000	
		QLogic QLA2460	Windows 2003 Server	QLogic 560x	Virtual DLT 7000	
		QLogic QLE4062C	Windows 2003 Server		IBM LTO-2	
		Dual Port 1Gb iSCSI Expan-sion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)	Windows 2003 Server		IBM LTO-2	
		QLogic QLE4062C	Windows 2003 Server	QLogic 9008V	IBM LTO-2	
		Dual Port 1Gb iSCSI Expan-sion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)	Windows 2003 Server		IBM LTO-2	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi Series (DXi3500 & DXi5500) (Continued)	Symantec Backup Exec 12.0	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
		QLogic QLA2342	Windows 2003 x64	QLogic 580xV	IBM LTO-3	
		QLogic QLA2342	Windows 2003 x64	QLogic 9008V	IBM LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 580xV	HP LTO-3	
		QLogic QLE256x	Windows 2003 x86-32	QLogic 9008V	HP LTO-3	
	Symantec Net-Backup 6.0	QLogic QLA2344	Windows 2003		DLT 7000	
	Symantec Net-Backup 6.0 MP3	QLogic QLA2460	Red Hat Linux AS 4.0	Brocade 4100	HP LTO-3	
		QLogic QLA2460	Solaris 10		IBM LTO-3	
		QLogic QLE2460	SuSE Linux 9		IBM LTO-3	
		QLogic QLE2460	SuSE Linux 9	Brocade 200E	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi7500	CommVault Galaxy 7.0	QLogic QLA2342	Windows 2003	McDATA 4500	IBM LTO-3	
	CA BrightStor ARC-serve 11.5	QLogic QLA2342	Red Hat EL AS 4.0	QLogic 2	Quantum SDLT600	
		QLogic QLA2342	Solaris 10 SPARC	Brocade 3900	Quantum/ Certance LTO-2	
		QLogic QLA2342	Windows 2003	Brocade 3900	IBM LTO-2	
	EMC NetWorker 7.4	Emulex LP1050	Red Hat EL AS 4.0	QLogic 9000	HP LTO-3	
		QLogic QLA2342	Solaris 10 SPARC	QLogic 2	IBM LTO-3	
		QLogic QLA2462	Windows 2003	QLogic 9000	HP LTO-3	
	HP Data Protector 6.0	Emulex LPe11002	Windows 2003	QLogic 9000	HP LTO-2	
		QLogic QLA2342	Solaris 10 SPARC	Brocade 3800	IBM LTO-2	
	IBM Tivoli Storage Manager 5.4	Emulex LP1050DC	Windows 2003	QLogic 520x	IBM LTO-2	
		Sun SG-XPCI2FC-Q F2 (X6768A) (QLA2342-CK)	Solaris 10	QLogic 520x	HP LTO-2	
	Symantec Backup Exec	Microsoft iSCSI Initiator	Windows 2003		HP LTO-3	QLogic 6140
	Symantec Backup Exec 11d	QLogic QLE2462	Windows 2003	Cisco MDS 9216	Quantum SDLT320	
	Symantec Backup Exec 12.0	QLogic QLA2342	Windows 2003 Server	QLogic 580xV	HP LTO-3	
		QLogic QLA2342	Windows 2003 Server	QLogic 9008V	HP LTO-3	
		QLogic QLE256x	Windows 2003 32-bit	QLogic 580xV	HP LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
DXi7500 (Continued)	Symantec Net-Backup 6.0	Emulex LP9002	Windows 2003	QLogic 560x	HP LTO-3	
	Symantec Net-Backup 6.5	QLogic QLA2342	Red Hat EL AS 4.0	QLogic 560x	HP LTO-3	
		QLogic QLA2342	Solaris 10 SPARC	Brocade 4100	HP LTO-2	
M1500	Symantec Net-Backup 4.5	Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 9	QLogic 8/16	SDLT 600	FC420
	Symantec Net-Backup 5.0	Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 9	QLogic 8/16	HP LTO-2	
	Symantec Net-Backup 5.1 MP2	QLogic QLA2342	Solaris 8		HP LTO-2	FC420
		QLogic QLA2342	Solaris 8		HP LTO-3	FC420
M2500	Symantec Net-Backup 4.5	QLogic QLA23xx	Solaris 8	Brocade 3200 & 3800	SDLT 220	
		QLogic QLA23xx	Solaris 8	QLogic 8/16	HP LTO-1	
	Symantec Net-Backup 5.0	QLogic QLA2310F	Solaris 8	QLogic 8/16	SDLT 600	
		QLogic QLA2342	Windows 2003	McDATA 4500	SDLT 600	
		Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 9	Brocade 3200 & 3800	SDLT 600	
		Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 9	McDATA 4500	SDLT 600	
		Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 9	QLogic 8/16	HP LTO-1	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
M2500 (Continued)	Symantec Net-Backup 5.1	QLogic QLA2342	Solaris 9	McDATA 4500	HP LTO-3	FC420
		QLogic QLA2342	Windows 2000	Brocade 3200 & 3800	HP LTO-3	FC420
		Sun SG-XPCI2FC-Q F2 (X6768A) (QLA2342-CK)	Solaris 9	QLogic 8/16	HP LTO-3	FC420
ML6000	CommVault Galaxy 7 SP4	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Red Hat Linux 5 32-bit	QLogic 580xV	IBM LTO-3 FC	
		Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Red Hat Linux 5 32-bit	QLogic 9008V	IBM LTO-3 FC	
		QLogic QLE256x	Red Hat Linux 5 32-bit	QLogic 580xV	IBM LTO-3 FC	
		QLogic QLE256x	Red Hat Linux 5 32-bit	QLogic 9008V	IBM LTO-3 FC	
	Symantec Backup Exec 12	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2008 x64	Brocade 5000	IBM LTO-4 FC	
		QLogic QLE256x	Windows 2008 x64	Brocade 5000	IBM LTO-4 FC	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
P2000	Symantec Net-Backup 3.x	QLogic QLA23xx	Windows 2000	QLogic 8/16	IBM LTO-1	
	Symantec Net-Backup 4.5 MP6	QLogic QLA2342	Solaris 9	QLogic 560x	SDLT 600	FC470
P3000	Symantec Net-Backup 3.x	QLogic QLA23xx	Windows 2000	QLogic 8/16	IBM LTO-1	
P4000	Symantec Net-Backup 4.5	QLogic QLA23xx	Solaris 2.x	QLogic 8/16	SDLT 220	
		QLogic QLA23xx	Windows 2000	QLogic 8/16	SDLT 220	
	Symantec Net-Backup 4.5 FP6	QLogic QLA2310F	Windows 2000	QLogic 2-64	IBM LTO-2	FC470
P7000	EMC NetWorker 6.x	QLogic QLA23xx	Solaris 8	QLogic 8/16	IBM LTO-1	
	Symantec Net-Backup 4.5	QLogic QLA23xx	Solaris 2.x	QLogic 8/16	SDLT 220	
		QLogic QLA23xx	Windows 2000	QLogic 8/16	SDLT 220	
	Symantec Net-Backup 5.1 MP3	Emulex LP002L	Windows 2003	QLogic 520x	HP LTO-3	FC470
		JNI FCE-6460	Solaris 9	QLogic 520x	HP LTO-2	FC470
		QLogic QLE2360	Windows 2000	QLogic 520x	SDLT600	FC470

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Pathlight VX	CommVault Galaxy	Emulex LP10000	Windows	QLogic 560x	IBM LTO-3	FCB6404
	CommVault Galaxy 4.2	QLogic QLA2342	Windows 2000	Brocade 3800	IBM LTO-2	
	CommVault Galaxy 5.9	Emulex LP10000DC	Windows 2000	QLogic 520x	IBM LTO-2	FCB6404
		Emulex LP10000DC	Windows 2003	QLogic 520x	IBM LTO-3	FCB6404
		QLogic QLA2310	Solaris 9	Brocade 3900	IBM LTO-3	FCB6404
	CA BrightStor ARC-serve 11.1	QLogic QLA2340	Windows 2000	QLogic 3600	IBM LTO-3	FCB6404
		QLogic QLE2362	Windows 2003	QLogic 520x	IBM LTO-3	FCB6404
	CA BrightStor Enterprise Backup 10.5	QLogic QLA2300	Windows 2000	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-2	FCB6404
		QLogic QLA2310	Solaris 9	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-2	
		QLogic QLA2310	Windows NT 4.0	Brocade 3800	IBM LTO-2	
	EMC NetWorker	QLogic QLA2310	Windows 2003	Brocade 3800	IBM LTO-3	FCB6404
		QLogic QLA2460	Windows	Cisco 9020	IBM LTO-3	FCB6404
	EMC NetWorker 7.1	QLogic QLA2340	Windows 2003 Enter-prise	Brocade 12000	IBM LTO-2	FCB6404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Pathlight VX (Continued)	EMC NetWorker 7.2	QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-1	FCB6404
		QLogic QLA2310	Solaris 9	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows 2000	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-1	FCB6404
		QLogic QLA2310	Windows 2003 Enter-prise	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows NT 4.0	Brocade 12000	IBM LTO-2	
		QLogic QLA2340	Solaris 9	Brocade 4100	IBM LTO-3	FCB6404
		QLogic QLA2340	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-1	FCB6404
		QLogic QLA2340	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-2	FCB6404
	EMC NetWorker 7.2.1	QLogic QLA2432	Solaris	QLogic 560x	IBM LTO-2	FCB6404
		QLogic QLE2462	Windows	QLogic 560x	IBM LTO-2	FCB6404
	EMC NetWorker 7.3.2	QLogic QLA2300	Red Hat Linux 3		IBM LTO-3	
	HP Data Protector	HP A6826A (QLA2342-UX-HP-BK)	HP-UX	Brocade 3900	IBM LTO-3	
		QLogic QLA2340	Windows	Brocade 200E	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Pathlight VX (Continued)	HP Data Protector 5.0	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows 2000	Brocade 3800	IBM LTO-2	
		QLogic QLA2310	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-2	
		QLogic QLA2310	Windows NT 4.0	Brocade 3800	IBM LTO-2	
	HP Data Protector 5.1	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11	QLogic 520x	IBM LTO-1	FCB6404
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11i	Brocade 3800	IBM LTO-1	
	HP Data Protector 5.5	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11	Brocade 3800	IBM LTO-2	FCB6404
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.23	QLogic 520x	IBM LTO-2	FCB6404
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.23i	Brocade 3800	IBM LTO-3	FCB6404
		QLogic QLA2340	Windows 2003	Brocade 12000	IBM LTO-2	FCB6404
	IBM Tivoli Storage Manager 5.2	QLogic QLA2300	Solaris 9	Brocade 3800	IBM LTO-2	
		QLogic QLA2342	Windows 2000	Brocade 3800	IBM LTO-2	
		QLogic QLA2342	Windows 2003	Brocade 4100	IBM LTO-3	FCB6404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Pathlight VX (Continued)	Symantec Backup Exec	QLogic QLA2340	Windows	McDATA 4400	IBM LTO-3	FCB6404
	Symantec Backup Exec 10	QLogic QLA2340	Windows 2003	Cisco MDS 9216	IBM LTO-3	FCB6404
	Symantec Net-Backup	Emulex LPE11000	Red Hat Linux 4	QLogic 520x	IBM LTO-3	FCB6404
	Symantec Net-Backup 4.5	QLogic QLA2310	Solaris 9	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows 2000	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows 2003 Enter-prise	Brocade 12000	IBM LTO-2	
		QLogic QLA2310	Windows NT 4.0	Brocade 12000	IBM LTO-2	
	Symantec Net-Backup 5.1	QLogic QLA2300	Solaris 9	Brocade 4100	IBM LTO-3	FCB6404
		QLogic QLA2310	Solaris 8	Brocade 12000	IBM LTO-2	FCB6404
		QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-2	FCB6404
		QLogic QLA2340	Solaris 9	Brocade 3800	IBM LTO-2	FCB6404
		QLogic QLA2340	Solaris 9	Brocade 4100	IBM LTO-3	FCB6404
		QLogic QLA2340	Solaris 9	Brocade 12000	IBM LTO-2	FCB6404
		QLogic QLA2340	Windows 2003 Enter-prise	Brocade 3900	IBM LTO-2	FCB6404
	Symantec Net-Backup 6	QLogic QLA2300	Windows 2003		IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX502	BakBone NetVault 7.4.4		Windows 2003	QLogic 560x	SDLT 600	QLogic 6140
	CA BrightStor ARC-serve 11.5	ATTO FC41ES	Windows 2003	QLogic 520x	SDLT 320	FC1202
		QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX502 (Continued)	CA BrightStor ARC-serve r11.5 SP1	Emulex LPE11002L	Windows 2003	QLogic 560x	SDLT 600	
		QLogic QLA2342	Windows 2003	QLogic 2-64	SDLT 600	FC1202
	EMC NetWorker 7.x	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX502 (Continued)	EMC NetWorker 7.3.1	Emulex LP1150	Windows 2003	QLogic 560x	SDLT 600	FC1202
		Emulex LP11002	Windows 2003	QLogic 560x	HP LTO-2	FC1202
		Emulex LPE11002	Windows 2003	QLogic 560x	SDLT 320	FC1202
	EMC NetWorker 7.4	QLogic QLA2460	Solaris	QLogic 580xV	HP LTO-3	
		QLogic QLA2460	Solaris	QLogic 9008V	HP LTO-3	
		QLogic QLA2460	Solaris	QLogic 580xV	HP LTO-4	
		QLogic QLA2460	Solaris	QLogic 9008V	HP LTO-4	
	Symantec Backup Exec 10.1	Emulex LPE1150	Windows 2003	QLogic 560x	DLT-S4	FC1202
		QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA4010C	Windows 2003	NetGear GS724T	SDLT 320	TC2201
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX502 (Continued)	Symantec Backup Exec 10.1 (Continued)	QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	Symantec Backup Exec 10.1 SP1	QLogic QLA4010C	Windows 2003	Linksys EG008W	HP LTO-3	
		QLogic QLA4050C	Windows 2003	Linksys EG008W	HP LTO-3	
	Symantec Backup Exec 11.0	ATTO FC42ES	Windows 2000	QLogic 520x	HP LTO-3	FC1202
	Symantec Backup Exec 11d		Windows 2003	Brocade 3800	SDLT 320	QLogic 6142
		ATTO FC42ES	Windows 2000	QLogic 520x	HP LTO-3	FC1202
		Emulex LPE11002L	Windows 2003	QLogic 9000	DLT-S4	
	Symantec Backup Exec 12	QLogic QLE4062C	Windows	Cisco 3750	HP LTO-2	
	Symantec Net-Backup 5.1 MP3	QLogic QLA2342	Windows 2000	QLogic 2-8/16	IBM LTO-2	FC1202

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX502 (Continued)	Symantec Net-Backup 6.0	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
PX502 (Continued)	Symantec Net-Backup 6.0 (Continued)	QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	Symantec NetBackup 6.0 MP3	Emulex LPE1150	Windows 2003	QLogic 560x	HP LTO-3	
		Emulex LP11002	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2342	Windows 2003	Brocade 3800	DLT-S4	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX506	BakBone NetVault 7.4.4		Windows 2003	QLogic 560x	SDLT 600	QLogic 6140
	CA BrightStor ARC-serve r11.5	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX506 (Continued)	CA BrightStor ARC-serve r11.5 (Continued)	QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	CA BrightStor ARCserve r11.5 SP1	QLogic QLA2342	Windows 2003	McDATA 4500	SDLT 600	
		QLogic QLA4010C	Windows 2003	NetGear GS724T	SDLT 320	TC2201
		QLogic QLA4010C	Windows 2003 x86-64	NetGear GS724T	HP LTO-2	TC2201
	EMC NetWorker 7.x	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX506 (Continued)	EMC NetWorker 7.x (Continued)	QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE246	Windows 2003	QLogic 560x	SDLT 600	
	Symantec Backup Exec 10.1	QLogic QLA2342	Windows 2000	McDATA 4500	SDLT 320	FC1202
		QLogic QLA2342	Windows 2000	McDATA 4500	SDLT 600	FC1202
		QLogic QLA2342	Windows 2003	McDATA 4500	DLT-S4	
		QLogic QLA2342	Windows 2003	McDATA 4500	DLT-S4	FC1202

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX506 (Continued)	Symantec Backup Exec 10.1 (Continued)	QLogic QLA2460	Windows 2003	McDATA 4500	HP LTO-2	FC1202
		QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	Symantec Backup Exec 11d		Windows 2003	Brocade 3800	SDLT 320	QLogic 6142
	Symantec Net-Backup 6.0	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX506 (Continued)	Symantec Net-Backup 6.0 (Continued)	QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	Symantec NetBackup 6.0 MP3	QLogic QLA2342	Windows 2003	McDATA 4500	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX510	BakBone NetVault 7.4.4		Windows 2003	QLogic 560x	SDLT 600	QLogic 6140
	CA BrightStor ARC-serve r11.5	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 520x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 520x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 520x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX510 (Continued)	CA BrightStor ARC-serve r11.5 SP1	QLogic QLA2342	Windows 2000	Brocade 3800	SDLT 600	
		QLogic QLA2460	Windows 2000	Brocade 3800	HP LTO-3	FC1202
	EMC NetWorker 7.x	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX510 (Continued)	EMC NetWorker 7.3.1	QLogic QLA2342	Red Hat Enterprise Linux AS 3.0	Brocade 3800	SDLT 320	FC1202
	IBM Tivoli Storage Manager 5.3.3.0	IBM 5716	AIX 5.2	QLogic 520x	HP LTO-3	
	Symantec Backup Exec 10.1	QLogic QLA2342	Windows 2000	Brocade 3800	DLT-S4	
		QLogic QLA2342	Windows 2003	Brocade 3800	DLT-S4	FC1202
		QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	Symantec Backup Exec 11d		Windows 2003	Brocade 3800	SDLT 320	QLogic 6142
	Symantec Net-Backup 5.1 MP5	QLogic QLA4010C	Solaris 9	NetGear GS724T	SDLT 320	TC2201

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX510 (Continued)	Symantec Net-Backup 6.0	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 520x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 520x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 520x	SDLT 600	
	Symantec NetBackup 6.0 MP3	QLogic QLA4010C	Red Hat Enterprise Linux AS 4.0	NetGear GS724T	DLT-S4	TC2201

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720	CA BrightStor ARC-serve 10.x	QLogic QLA2342	Windows 2003	McDATA 4500	HP LTO-2	
	CA BrightStor ARC-serve r11.x	JNI FCX2-6562	Windows 2003	QLogic 560x	SDLT 320	FC470
		QLogic QLE2462	Windows 2003 IA-64	Brocade Silk-Worm	SDLT 600	
	CA BrightStor ARC-serve r11.1	Adaptec 7211C	Windows 2003	Cisco MDS 9000 Series	DLT-S4	QLogic 6142
		QLogic QLA2342	Windows 2000	Brocade 3900	DLT-S4	
	CA BrightStor ARC-serve r11.1 SP1	QLogic QLE2360	Windows 2003	QLogic 520x	HP LTO-3	
	CA BrightStor ARC-serve r11.5	QLogic QLA2342	Windows 2003	Brocade 3900	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-2	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-2	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	CA BrightStor ARC-serve r11.5 (Continued)	QLogic QLE2360	Windows 2003	QLogic 520x	HP LTO-2	
		QLogic QLE2360	Windows 2003	QLogic 520x	HP LTO-3	
		QLogic QLE2360	Windows 2003	QLogic 520x	HP LTO-3	FC470
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-2	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-2	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-2	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	CA BrightStor ARC-serve r11.5 SP1	Emulex LP1150	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 9000	HP LTO-2	
	CommVault Galaxy 7	QLogic QLE2562	Linux Red Hat 5 x64	QLogic 5800	HP LTO3	FC470
	EMC NetWorker 6.2	QLogic QLA2342	Windows NT 4.0	QLogic 2-64	HP LTO-2	
	EMC NetWorker 7.x	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-2	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-2	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-2	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	EMC NetWorker 7.x (Continued)	QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-2	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-2	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	EMC NetWorker 7.1.x	QLogic QLA2342	Solaris 9	Brocade 3900	SDLT 600	
	EMC NetWorker 7.2	Emulex LP10000DC	Solaris 8	QLogic 520x	HP LTO-2	FC470
		QLogic QLA2310F	Solaris 9	McDATA 4500	HP LTO-3	
		QLogic QLA2342	Windows 2003	QLogic 2-64	HP LTO-2	FC470
		QLogic QLE2462	Windows 2003 IA-64	QLogic 560x	HP LTO-3	
	EMC NetWorker 7.2.1	QLogic QLA2310F	Solaris 9	Brocade 3900	DLT-S4	
		QLogic QLA2342	Solaris 9	QLogic 2-64	SDLT 320	FC470
		QLogic QLA2342	Windows 2000	Brocade 3900	DLT-S4	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	EMC NetWorker 7.3	ATTO FC44ES	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLA2310F	Windows 2003	Brocade 3900	HP LTO-2	
		QLogic QLA2310F	Windows 2003	Brocade 3900	HP LTO-3	FC470
		QLogic QLA2342	Solaris 9	QLogic 2-64	SDLT 320	FC470
		QLogic QLA2342	Windows 2000	Brocade 3900	DLT-S4	
	EMC NetWorker 7.3.1	Emulex LP11002	Solaris 10	QLogic 560x	HP LTO-2	
		Emulex LP11002	Solaris 10	QLogic 560x	SDLT 320	FC470
		QLogic QLA2460	Windows 2003	QLogic 9000	HP LTO-3	
	IBM Tivoli Storage Manager 5.5	QLogic QLE2560	Windows 2008 x64	Brocade 300	DLT-S4 Quan-tum	
	Symantec Backup Exec 9.x	QLogic QLA2310F	Windows 2000	McDATA 4500	HP LTO-2	
		QLogic QLA2342	Windows 2000	QLogic 2-64	HP LTO-2	
	Symantec Backup Exec 9.1 SP2	QLogic QLA2310F	Windows 2003	QLogic 560x	HP LTO-2	FC470
	Symantec Backup Exec 10.x	QLogic QLE2462	Windows 2003	Brocade 4100	SDLT 320	FC470
	Symantec Backup Exec 10.1	Emulex LP11002	Windows 2003	QLogic 560x	SDLT 600	
		Emulex LP11002	Windows 2003	QLogic 9000	SDLT 600	
		Emulex LP9802DCL	Windows 2000	QLogic 560x	HP LTO-2	
		Emulex LP9802DCL	Windows 2000	QLogic 560x	HP LTO-3	FC470

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	Symantec Backup Exec 10.1 (Continued)	Emulex LPE11002L	Windows 2003	QLogic 560x	HP LTO-3	FC470
		Emulex LPE11002L	Windows 2003	QLogic 560x	SDLT 600	
		QLogic QLA2462	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2462	Windows 2003	QLogic 2-64	HP LTO-2	
		QLogic QLA2462	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2462	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-2	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-2	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	Symantec Backup Exec 10d	ATTO FC41ES	Windows 2003	QLogic 520x	SDLT 320	FC470
	Symantec Backup Exec 11.0	ATTO FC41ES	Windows 2003	QLogic 520x	SDLT 320	FC470
	Symantec Net-Backup 4.5	QLogic QLA2310F	Solaris 8	Brocade 3200 & 3800	HP LTO-2	
	Symantec Net-Backup 5.0 MP5	QLogic QLA2342	Solaris 10	Cisco MDS 9000 Series	HP LTO-3	
	Symantec Net-Backup 5.1 MP2	QLogic QLA2310F	Windows 2000	Brocade 3900	HP LTO-3	
		QLogic QLA2342	Solaris 8		HP LTO-2	FC470
		QLogic QLA2342	Solaris 8	Brocade 3200 & 3800	HP LTO-3	
		QLogic QLA2342	Windows 2003	Brocade 3200 & 3800	HP LTO-3	
		QLogic QLA2342	Windows 2003	QLogic 560x	HP LTO-3	FC470
	Symantec Net-Backup 5.1 MP3	QLogic QLA2342	Solaris 8	Brocade 3800	HP LTO-3	FC470
		QLogic QLA2342	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLA2342	Solaris 9	QLogic 520x	SDLT 320	
		QLogic QLA2342	Solaris 9	QLogic 520x	SDLT 320	FC470
		QLogic QLE2462	Windows 2003	QLogic 560x	HP LTO-2	FC470
	Symantec NetBackup 5.1 MP4	QLogic QLA2342	Solaris 9	Brocade 3800	HP LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	Symantec Net-Backup 6.0	QLogic QLA2342	Solaris 9	Brocade 3800	HP LTO-3	FC470
		QLogic QLA2342	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLA2342	Solaris 9	QLogic 520x	HP LTO-2	
		QLogic QLA2342	Solaris 9	QLogic 520x	SDLT 320	
		QLogic QLA2342	Solaris 9	QLogic 520x	SDLT 320	FC470
		QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-2	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT 600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-2	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT 600	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-2	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT 600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 (Continued)	Symantec Net-Backup 6.0 (Continued)	QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-2	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT 600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-2	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT 600	
	Symantec Net-Backup 6.0 MP3	Emulex LP1150	Red Hat Linux EL AS 4.0	QLogic 560x	DLT-S4	
		Emulex LP1150	Windows 2003	QLogic 9000	DLT-S4	
		QLogic QLA2462	Solaris 10		HP LTO-3	
		QLogic QLA2462	Solaris 10	Cisco MDS 9000 Series	HP LTO-3	
		QLogic QLE2462	Windows 2003		HP LTO-3	
		QLogic QLE2462	Windows 2003	Cisco MDS 9000 Series	HP LTO-3	
	Symantec Net-Backup 6.0 MP4	QLogic QLA4010C	Windows 2003	QLogic 560x	HP LTO-3	QLogic 6140

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
PX720 - CLM (CrossLink Mechanism) - 2WIDE	Symantec Backup Exec 9.1 SP2	QLogic QLA2300	Windows 2003	QLogic 520x	SDLT 320	FC470
	Symantec Net-Backup 3.x	QLogic QLA2300	Windows 2003	QLogic 2-64	HP LTO-2	FC470
	Symantec Net-Backup 5.1 MP2	Emulex LP9802DC	Windows 2000	QLogic 520x	SDLT 600	FC470
PX720 - CLM (CrossLink Mechanism) - 5WIDE	EMC NetWorker 7.2	QLogic QLA2342	Windows 2003	Brocade 4100	HP LTO-2	FC470
		QLogic QLA2342	Windows 2003	Brocade 4100	HP LTO-3	FC470
		QLogic QLA2342	Windows 2003	Brocade 4100	SDLT 320	FC470
		QLogic QLA2342	Windows 2003	Brocade 4100	SDLT 600	FC470
	Symantec Net-Backup 5.1 MP3	Emulex LP9802DC	Solaris 9	QLogic 520x	HP LTO-2	FC470
		Emulex LP9802DC	Solaris 9	QLogic 520x	HP LTO-3	FC470
		Emulex LP9802DC	Solaris 9	QLogic 520x	SDLT 320	FC470
		Emulex LP9802DC	Solaris 9	QLogic 520x	SDLT 600	FC470
		QLogic QLE2360	Windows 2000	QLogic 520x	HP LTO-2	FC470
		QLogic QLE2360	Windows 2000	QLogic 520x	HP LTO-3	FC470
		QLogic QLE2360	Windows 2000	QLogic 520x	SDLT 320	FC470
		QLogic QLE2360	Windows 2000	QLogic 520x	SDLT 600	FC470

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 24	CommVault Galaxy	QLogic QLA2460	Red Hat Linux 4	Brocade 200E	IBM LTO-3	
		QLogic QLA2460	Solaris	Cisco 9020	IBM LTO-3	
		QLogic QLA2462	Windows	McDATA 4400	IBM LTO-3	SNC 4000
		QLogic QLE2460	Windows	Brocade 4100	IBM LTO-3	
	CommVault Galaxy 5.0	Emulex LP10000	Windows 2003 Enter-prise	QLogic 520x	IBM LTO-2	
		QLogic QLA2340	Windows 2000	Brocade 3850	SDLT 600	SNC 4000
	CommVault Galaxy 7.0	QLogic QLE2562	Windows 2008 x64	QLogic 5800	IBM LTO4	
	CA BrightStor ARC-serve	Emulex LPE1150	Windows	QLogic 560x	IBM LTO-3	
	CA BrightStor ARC-serve 7.0	QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2300F	NetWare 5.1	Brocade 3800	SDLT 220	SNC 4000
	CA BrightStor ARC-serve 9.0	QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2310	Windows 2000	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2310	Windows 2003	Brocade 3800	IBM LTO-1	SNC 4000
	CA BrightStor ARC-serve 11	QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 600	SNC 4000
	CA BrightStor Enterprise Backup 10.5	QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 600	SNC 4000

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 24 (Continued)	EMC NetWorker	HP A6826A (QLA2342-UX-HP-BK)	HP-UX	Brocade 200E	IBM LTO-3	
		QLogic QLA2340	Red Hat Linux 3	McDATA 4400	IBM LTO-3	
		QLogic QLA2460	Windows	Brocade 200E	IBM LTO-3	
	EMC NetWorker 6.1.2	QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 4000
	EMC NetWorker 6.1.3	QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2300	Windows NT4.0	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2300F	Windows NT4.0	Brocade 3800	SDLT 220	SNC 4000
	EMC NetWorker 7.0	QLogic QLA2300	Solaris 8	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2310	Red Hat Linux 9	Brocade 3200	SDLT 220	SNC 4000
		QLogic QLA2310	Windows 2000	Brocade 3800	IBM LTO-1	SNC 4000
	EMC NetWorker 7.1	QLogic QLA2340	Solaris 9	Brocade 3900	IBM LTO-1	SNC 4000
		QLogic QLA2340	Solaris 9	Brocade 3900	IBM LTO-2	SNC 4000
	EMC NetWorker 7.1.1	QLogic QLA2340	Windows 2003	Cisco MDS 9216	SDLT 320	SNC 4000
	EMC NetWorker 7.1.2	QLogic QLA2342	Solaris 9	QLogic 520x	SDLT 600	SNC 4000

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 24 (Continued)	EMC NetWorker 7.2	Emulex LP101	Windows 2003	QLogic 520x	IBM LTO-3	
		QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-3	SNC 4000
		QLogic QLA2340	Solaris 9	Brocade 3800	IBM LTO-2	
		QLogic QLA2340	Solaris 9	QLogic 520x	IBM LTO-3	
		QLogic QLA2342	Solaris 9	QLogic 520x	IBM LTO-3	
	EMC NetWorker 7.3.2	QLogic QLE2360	Red Hat Linux 4 64-bit	QLogic 520x	IBM LTO-4	
	HP Data Protector	HP A6826A (QLA2342-UX-HP-BK)	HP-UX	McDATA 4400	IBM LTO-3	
	HP Data Protector 5.0	QLogic QLA2310	Windows 2000	Brocade 3800	IBM LTO-1	SNC 4000
		QLogic QLA2310	Windows NT 4.0	Brocade 3800	SDLT 320	SNC 4000
	HP Data Protector 5.1	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11	QLogic 520x	IBM LTO-2	
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11i	Brocade 3800	IBM LTO-1	SNC 4000
	IBM Tivoli Storage Manager	QLogic QLA2342	Windows	Brocade 4100	IBM LTO-3	
	IBM Tivoli Storage Manager 5.1.6.5	QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-2	SNC 4000

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 24 (Continued)	Symantec Backup Exec	QLogic QLA2342	Windows 2003 x86	QLogic 9000	IBM LTO-3	SNC 4000
		QLogic QLE2462	Windows 2003 x86		IBM LTO-3	
	Symantec Backup Exec 8.5.194	QLogic QLA2300F	NetWare 5.1	Brocade 3800	SDLT 220	SNC 4000
	Symantec Backup Exec 9.0	QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 4000
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2300F	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2310	Windows 2000	Brocade 3800	SDLT 320	SNC 4000
		QLogic QLA2340	Windows 2003	Brocade 3800	IBM LTO-2	SNC 4000
	Symantec Backup Exec 9.1	Emulex LP10000	Windows 2003	QLogic 520x	SDLT 600	SNC 4000
		Emulex LP9802	Windows 2003 Server	QLogic 520x	SDLT 600	SNC 4000
	Symantec Backup Exec 10	QLogic QLA2340	Windows 2003	QLogic 3050	IBM LTO-3	SNC 4000
	Symantec Backup Exec 11d	Emulex LP11000	Windows 2003 x86	QLogic 9000	IBM LTO-4	
		QLogic QLE2562	Windows 2003 x64	QLogic 5800	IBM LTO4	
	Symantec Net-Backup	Emulex LP11000	Red Hat Linux 4	QLogic 520x	IBM LTO-3	
		QLogic QLA2460	Solaris	Cisco 9020	IBM LTO-3	
		QLogic QLE2460	Windows	QLogic 560x	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 24 (Continued)	Symantec Net-Backup 4.5	QLogic QLA2300	Solaris 8	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 4000
		QLogic QLA2300	Windows 2003	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2300F	Windows 2000	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2300F	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 4000
		QLogic QLA2310	Red Hat Linux 7.3	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2310	Windows 2003	Brocade 3800	SDLT 320	SNC 4000
		QLogic QLA2340	Red Hat Linux 7.3	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2340	Windows 2000	Brocade 2800	IBM LTO-1	SNC 4000
		QLogic QLA2340	Windows 2003	Brocade 2800	IBM LTO-1	SNC 4000
		QLogic QLA2340	Windows 2003	Brocade 2800	IBM LTO-2	SNC 4000

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 24 (Continued)	Symantec Net-Backup 5.0	Emulex LP1050	Windows 2000	QLogic 520x	SDLT 600	SNC 4000
		Emulex LP10000	Red Hat Linux 2.1	QLogic 520x	SDLT 600	SNC 4000
		Emulex LP10000	Solaris 9	QLogic 520x	SDLT 600	SNC 4000
		QLogic QLA2340	Red Hat Linux 2.1	Brocade 3850	SDLT 320	SNC 4000
		QLogic QLA2340	Solaris 9		IBM LTO-2	
	Symantec Net-Backup 5.1	QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-2	SNC 4000
		QLogic QLA2310	Solaris 9	Brocade 3800	IBM LTO-2-LC	SNC 4000
		QLogic QLA2340	Red Hat Linux 3	Brocade 4100	IBM LTO-2	SNC 4000
		QLogic QLA2340	Red Hat Linux 3.1	Brocade 3800	IBM LTO-3	
		QLogic QLA2340	Windows 2003	Brocade 4100	IBM LTO-3	
		QLogic QLA2340	Windows 2003	McDATA 4500	IBM LTO-2	
	Yosemite Backup	QLogic QLA2340	Red Hat Linux 4 64-bit	Brocade 3800	IBM LTO-3	
		QLogic QLA2460	Windows	Brocade 4100	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 50	CA BrightStor ARC-serve 11.5	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT600	
	CA BrightStor ARC-serve 11.5 SP1	QLogic QLA2342	Windows 2003	QLogic 2-64	SDLT320	FC1202
	Commvault Galaxy 7	QLogic QLE2562	Linux Red Hat 5 x86		DLT-S4 Quan-tum	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 50 (Continued)	EMC NetWorker	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT600	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 50 (Continued)	Symantec Backup Exec	QLogic QLA4010C	Windows 2003	NetGear GS724T	SDLT600	TC2201
	Symantec Backup Exec 10.1	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT600	
		QLogic QLE2460	Windows 2000	QLogic 520x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 520x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 520x	SDLT600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT600	
	Symantec Backup Exec 10.1 SP1	QLogic QLA4010C	Windows 2003	Linksys EG008W	HP LTO-3	
	Symantec Backup Exec 11d	Emulex LPE11002L	Windows	QLogic 9000	DLT-S4	
	Symantec Net-Backup 5.1 MP3	QLogic QLA2342	Windows 2000	QLogic 8/16	IBM LTO-2	FC1202

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 50 (Continued)	Symantec Net-Backup 6	QLogic QLA2460	Windows 2003	QLogic 2-64	DLT-S4	
		QLogic QLA2460	Windows 2003	QLogic 2-64	HP LTO-3	
		QLogic QLA2460	Windows 2003	QLogic 2-64	SDLT600	
		QLogic QLA2462	Solaris 10	QLogic 520x	DLT-S4	
		QLogic QLA2462	Solaris 10	QLogic 520x	HP LTO-3	
		QLogic QLA2462	Solaris 10	QLogic 520x	SDLT600	
		QLogic QLE2460	Windows 2000	QLogic 560x	DLT-S4	
		QLogic QLE2460	Windows 2000	QLogic 560x	HP LTO-3	
		QLogic QLE2460	Windows 2000	QLogic 560x	SDLT600	
		QLogic QLE2462	Solaris 9	QLogic 520x	DLT-S4	
		QLogic QLE2462	Solaris 9	QLogic 520x	HP LTO-3	
		QLogic QLE2462	Solaris 9	QLogic 520x	SDLT600	
		QLogic QLE2464	Windows 2003	QLogic 560x	DLT-S4	
		QLogic QLE2464	Windows 2003	QLogic 560x	HP LTO-3	
		QLogic QLE2464	Windows 2003	QLogic 560x	SDLT600	
	Symantec Net-Backup 6.0 MP3	QLogic QLA2342	Windows 2003	Brocade 3800	DLT-S4	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100	CommVault Galaxy	QLogic QLA2340	Windows	Brocade 3900	IBM LTO-1	SNC 6101
		QLogic QLA2340	Windows 2003 Server	Brocade 3800	IBM LTO-3	SNC 6101
		QLogic QLE2460	Windows	Brocade 4100	IBM LTO-3	
	CommVault Galaxy 5	Emulex LP1050	Windows 2003	QLogic 520x	SDLT 600	SNC 6101
		QLogic QLA2300	Windows 2003	Brocade 3900	HP LTO-1	SNC 6101
		QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows 2003 Enter-prise	Brocade 3250	SDLT 220	SNC 6101
		QLogic QLA2340	Windows 2003 Enter-prise	McDATA 4500	AIT2 Sony	SNC 6101
	CommVault Galaxy 5.9	QLogic QLA2312	Windows 2003	McDATA 4500	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows 2000	Brocade 3800	SDLT 600	SNC 6101
		QLogic QLA2340	Windows 2003 Enter-prise	Brocade 3800	HP LTO-1	SNC 6101
		QLogic QLA2342	Solaris 9	QLogic 520x	IBM LTO-3	
	CA BrightStor ARC-serve	QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5101
		QLogic QLA2300	Windows NT 4.0		AIT3 Sony	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	CA BrightStor ARC-serve 7.0	QLogic QLA2300	NetWare 5.1	Brocade 3800	IBM LTO-1	SNC 5101
		QLogic QLA2300	NetWare 5.1	Brocade 3800	SDLT 220	SNC 5101
		QLogic QLA2300	Windows	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300F	NetWare 5.1	Brocade 3800	DLT 8000	SNC 5101
	CA BrightStor ARC-serve 9.0	QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-1	SNC 5101
		QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	SNC 6101
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 6101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 6101
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-1	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	CA BrightStor ARC-serve 9.01	QLogic QLA2340	Windows 2003	Brocade 3800	DLT 8000	SNC 5101
	CA BrightStor ARC-serve 11	QLogic QLA2340	Windows 2003	QLogic 520x	IBM LTO-1	SNC 6101
		QLogic QLA2340	Windows 2003 Enter-prise	McDATA 4500	IBM LTO-1	SNC 6101
	EMC NetWorker	QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5100
	EMC NetWorker 6.1.1	QLogic QLA2300	Windows	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	DLT 8000	SNC 5100
	EMC NetWorker 6.1.3	QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5101
	EMC NetWorker 7.0	QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-1	SNC 5101
		QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 6101

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	EMC NetWorker 7.0 (Continued)	QLogic QLA2310	Solaris 9	Brocade 3800	HP LTO-1	SNC 5101
		QLogic QLA2310	Solaris 9	Brocade 3800	HP LTO-2	SNC 5101
		QLogic QLA2340	Red Hat Linux 8	Brocade 3200	IBM LTO-2	SNC 6101
		QLogic QLA2340	Red Hat Linux 8	Brocade 3200	SDLT 320	SNC 5101
		QLogic QLA2340	Windows 2003	Brocade 3800	SDLT 220	SNC 5101
	EMC NetWorker 7.1	QLogic QLA2340	Windows 2003	QLogic 520x	HP LTO-1	SNC 6101
	EMC NetWorker 7.1.1	QLogic QLA2340	Red Hat Linux 3	QLogic 520x	HP LTO-1	SNC 6101
		QLogic QLA2340	Solaris 9	Brocade 3800	IBM LTO-1	SNC 6101
		QLogic QLA2342	Solaris 9	QLogic 520x	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows 2000	QLogic 520x	IBM LTO-2	SNC 6101
	EMC NetWorker 7.1.2	QLogic QLA2340	Red Hat Linux 2.1	McDATA 4500	SDLT 320	SNC 6101
		QLogic QLA2340	Solaris 9	McDATA 4500	IBM LTO-2	SNC 6101
		QLogic QLA2342	Solaris 9	QLogic 520x	IBM LTO-2	SNC 6101
	EMC NetWorker 7.2	Emulex LP1050	Windows 2003	QLogic 520x	IBM LTO-3	
	EMC NetWorker 7.2.1	QLogic QLA2340	Solaris	QLogic 3050	AIT3 Sony	SNC 6101

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	HP Data Protector 5.0	QLogic QLA2310	Windows 2000	Brocade 3800	IBM LTO-1	SNC 6101
	HP Data Protector 5.1		HP-UX 11.11	QLogic 520x	IBM LTO-2	SNC 6101
		QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 320	SNC 6101
	HP Data Protector 5.5	QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-3	
	IBM Tivoli Storage Manager 5.1.6.5	QLogic QLA2310	Solaris 8	Brocade 3800	IBM LTO-2	SNC 6101
	IBM Tivoli Storage Manager 5.2	QLogic QLA2340	Windows 2000	Brocade 3800	SDLT 600	SNC 6101
	Symantec Backup Exec	QLogic QLA2300	Windows 2000		AIT3 Sony	SNC 5100
		QLogic QLA2340	Windows	Brocade 3900	HP LTO-1	SNC 6101
		QLogic QLA2340	Windows 2003 Server		IBM LTO-3	
		QLogic QLA2342	Windows	QLogic 560x	AIT3 Sony	SNC 6101
		QLogic QLA2342	Windows 2003 x86	QLogic 9000	IBM LTO-3	SNC 6101
	Symantec Backup Exec 6	QLogic QLA2300	Windows	Brocade 3800	DLT 8000	SNC 5100
	Symantec Backup Exec 8.5.194	QLogic QLA2300F	NetWare 5.1	Brocade 3800	SDLT 220	SNC 5101
		QLogic QLA2300	NetWare 5.1	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5101

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	Symantec Backup Exec 8.6	QLogic QLA2300	Windows	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100
	Symantec Backup Exec 9.0	QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	SNC 6101
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-1	SNC 5101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-1	SNC 6101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 6101
		QLogic QLA2300	Windows NT 4.0	Brocade 3200	IBM LTO-1	SNC 6101
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 6101
		QLogic QLA2300F	NetWare 5.1	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300F	NetWare 5.1	Brocade 3800	IBM LTO-1	SNC 5101
		QLogic QLA2340	Windows 2003	Brocade 3800	IBM LTO-2	SNC 6101

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	Symantec Backup Exec 9.1	Emulex LP1050	Windows 2000	QLogic 520x	SDLT 600	SNC 6101
		QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 320	SNC 6101
		QLogic QLA2340	Windows 2000	Brocade 3850	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows 2003	Brocade 3800	SDLT 320	SNC 6101
		QLogic QLA2340	Windows 2003	QLogic 520x	AIT3 Sony	SNC 6101
		QLogic QLA2340	Windows 2003	QLogic 520x	HP LTO-1	SNC 6101
	Symantec Backup Exec 10.0	QLogic QLA2340	Windows 2003	Brocade 3800	SDLT 600	SNC 6101
	Symantec Net-Backup	QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows	Brocade 3900	HP LTO-1	SNC 5100
		QLogic QLA2342	Windows	Brocade 200E	SDLT 600	SNC 6101
	Symantec Net-Backup 4.5	QLogic QLA2300	Red Hat Linux 7.3	Brocade 3200	IBM LTO-2	SNC 6101
		QLogic QLA2300	Solaris 8	Brocade 3200	DLT 8000	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	Symantec Net-Backup 4.5 (Continued)	QLogic QLA2300	Windows 2000		AIT3 Sony	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-1	SNC 5101
		QLogic QLA2300	Windows 2000	Brocade 3800	HP LTO-1	SNC 6101
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	SNC 5101
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2310	Red Hat Linux 7.3	Brocade 3800	HP LTO-1	SNC 6101
		QLogic QLA2310	Red Hat Linux 7.3	Brocade 3800	IBM LTO-2	SNC 5101
		QLogic QLA2310	Windows 2000		IBM LTO-2	SNC 6101
	Symantec Net-Backup 5.0	QLogic QLA2340	Red Hat Linux 2.1	Brocade 3800	SDLT 320	SNC 6101
		QLogic QLA2340	Red Hat Linux 2.1	Brocade 3850	SDLT 320	SNC 6101
		QLogic QLA2340	Windows 2000	Brocade 3850	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows 2003	QLogic 520x	HP LTO-1	SNC 6101
		QLogic QLA2342	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-2	SNC 6101

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 100 (Continued)	Symantec Net-Backup 5.1	QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-2	SNC 6101
		QLogic QLA2340	Red Hat Linux 3	QLogic 3050	IBM LTO-3	
		QLogic QLA2340	Solaris 9	Brocade 3800	IBM LTO-3	SNC 6101
		QLogic QLA2340	Solaris 9	McDATA 4500	IBM LTO-2	SNC 6101
		QLogic QLA2340	Windows 2000 Server	Brocade 3800	AIT2 Sony	SNC 6101
Scalar 1000	CommVault Galaxy 5.0	QLogic QLA2300	Windows 2000 Server	Brocade 3800	IBM LTO-1	SNC 5100
	CommVault Galaxy 5.1	QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-2	
	CA BrightStor ARC-serve 7.0	QLogic QLA2300	NetWare 5.1	Brocade 3800	AIT2 Sony	SNC 5100
		QLogic QLA2300	NetWare 5.1	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	NetWare 5.1	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	AIT2 Sony	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 1000 (Continued)	CA BrightStor ARC-serve 7.0 (Continued)	QLogic QLA2300	Windows 2000	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows NT4.0	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300F	NetWare 5.1	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300F	Windows NT4.0	Brocade 3800	AIT3 Sony	SNC 3000
		QLogic QLA2310F	Windows 2000		SDLT 220	SNC 5100
		QLogic QLA2310F	Windows NT4.0		SDLT 220	SNC 5100
	CA BrightStor ARC-serve 9.0	QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	AIT3 Sony	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows NT4.0	Brocade 3800	SDLT 220	SNC 5101
	CA BrightStor ARC-serve 11	QLogic QLA2340	Windows 2003	Brocade 3900	SDLT 320	SNC 5100
		QLogic QLA2340	Windows 2003 Server	Brocade 3800	SDLT 320	SNC 5100
	EMC NetWorker 6.1	QLogic QLA2300F	Windows 2000		AIT3 Sony	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 1000 (Continued)	EMC NetWorker 6.1.1	QLogic QLA2300	Windows	Brocade 3800	AIT3 Sony	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5100
	EMC NetWorker 6.1.2	QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 220	SNC 3000
	EMC NetWorker 6.1.3	QLogic QLA2300	Solaris	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 5101
		QLogic QLA2300F	Windows 2000		SDLT 220	SNC 5100
		QLogic QLA2300F	Windows NT 4.0		SDLT 220	SNC 5100
	EMC NetWorker 7.0	QLogic QLA2300	Windows 2000	Brocade 3800	AIT3 Sony	SNC 5100
		QLogic QLA2340	Linux		IBM LTO-2	SNC 5100
		QLogic QLA2340	Windows		IBM LTO-2	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 1000 (Continued)	EMC NetWorker 7.1	QLogic QLA2300	Windows 2003	Brocade 3800	AIT2 Sony	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2310	Red Hat Linux 2.1	Brocade 3800	IBM LTO-1	SNC 5100
	EMC NetWorker 7.2.1	QLA2340	Windows	Brocade 3800	IBM LTO-2	SNC 5100
	Symantec Backup Exec	QLogic QLA2342	Windows	McDATA 3500	SDLT 320	SNC 5100
	Symantec Backup Exec 8.5.194	QLogic QLA2300	NetWare 5.1	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300F	NetWare 5.1	Brocade 3800	DLT 8000	SNC 5100
	Symantec Backup Exec 8.6	QLogic QLA2300	Windows	Brocade 3800	AIT2 Sony	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300F	Windows 2000	Brocade 3800	SDLT 220	SNC 3000
	Symantec Backup Exec 9.0	QLogic QLA2300	NetWare 5.1	Brocade 3800	AIT3 Sony	SNC 5100
		QLogic QLA2300	NetWare 5.1	Brocade 3800	SDLT 220	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 1000 (Continued)	Symantec Backup Exec 9.0 (Continued)	QLogic QLA2300	Windows 2000	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300F	Windows 2000		SDLT 220	SNC 5100
		QLogic QLA2300F	Windows NT 4.0		SDLT 220	SNC 5100
		QLogic QLA2340	Windows	Brocade 3800	AIT3 Sony	SNC 5100
	Symantec Backup Exec 9.1	QLogic QLA2300	Windows 2003 Server	Brocade 3800	SDLT 600	SNC 5100
		QLogic QLA2340	Windows 2003 Server	Brocade 3900	IBM LTO-2	SNC 5100
	Symantec Net-Backup	QLogic QLA2340	Solaris	QLogic 520x	AIT3 Sony	SNC 5100
	Symantec Net-Backup 4.5	QLogic QLA2300	Red Hat Linux 7.2	Brocade 3800	AIT2 Sony	SNC 5100
		QLogic QLA2300	Red Hat Linux 7.2	Brocade 3800	SDLT 320	SNC 5100
		QLogic QLA2300	Solaris 8	Brocade 3200	DLT 8000	SNC 5100
		QLogic QLA2300	Solaris 8	Brocade 3200	IBM LTO-1	SNC 3000
		QLogic QLA2300	Solaris 8	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	AIT2 Sony	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 1000 (Continued)	Symantec Net-Backup 4.5 (Continued)	QLogic QLA2300	Windows	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows	Brocade 3800	SDLT 220	SNC 5100
		QLogic QLA2300	Windows 2000		DLT 8000	
		QLogic QLA2300	Windows 2000		IBM LTO-2	
		QLogic QLA2300	Windows 2000		SDLT 220	
		QLogic QLA2300	Windows 2000	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	AIT3 Sony	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	AIT3 Sony	SNC 5000
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	DLT 8000	SNC 3000
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 3000
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 1000 (Continued)	Symantec Net-Backup 4.5 (Continued)	QLogic QLA2300F	Windows 2000		AIT3 Sony	SNC 5100
		QLogic QLA2300F	Windows 2000		SDLT 220	SNC 5100
		QLogic QLA2300F	Windows 2000	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300F	Windows 2000	Brocade 3800	SDLT 220	SNC 3000
		QLogic QLA2300F	Windows NT 4.0		AIT3 Sony	SNC 5100
		QLogic QLA2300F	Windows NT 4.0		SDLT 220	SNC 5100
		QLogic QLA2340	Solaris 9	Brocade 3800	DLT 8000	SNC 5100
		QLogic QLA2342	Windows 2003	Brocade 3800	SDLT 220	SNC 5101
	Symantec Net-Backup 5.0	Emulex LP10000	Solaris 9	QLogic 520x	IBM LTO-1	SNC 5100
		Emulex LP1050	Red Hat Linux 2.1	QLogic 520x	IBM LTO-2	SNC 5100
		Emulex LP1050	Windows 2000	QLogic 520x	IBM LTO-2	SNC 5100
		Emulex LP1050	Windows 2003	QLogic 520x	IBM LTO-2	SNC 5100
		Emulex LP9802	Solaris 9	QLogic 520x	AIT3 Sony	SNC 5100
		QLogic QLA2340	Linux		IBM LTO-2	
		QLogic QLA2340	Solaris 9	Brocade 3900	IBM LTO-2	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 10K	EMC NetWorker	QLogic QLA2460	Solaris 10 64-bit	McDATA 4400	IBM LTO-3	SDLC - DAS
	EMC NetWorker 6.1.3	QLogic QLA2300	Windows NT 4.0	Brocade 3800	AIT2 Sony	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM 3590	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	SNC 5100
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	SDLT 220	SNC 5100
	EMC NetWorker 7.1	QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-2	SNC 5100
	EMC NetWorker 7.2	QLogic QLA2300	Red Hat Linux 3	Brocade 3800	AIT3 Sony	SNC 5100
		QLogic QLA2340	Red Hat Linux 3	McDATA 4500	IBM 3592	SNC 5100
		QLogic QLA2342	Windows 2000 Server	Brocade 3800	IBM 3592	SDLC - DAS
		QLogic QLA2342	Windows 2003	QLogic 3050	IBM LTO-3	SNC 5100
	EMC NetWorker 7.2.2	QLogic QLA2340	Windows	Brocade 3900	SDLT 320	SDLC - DAS
	EMC NetWorker 7.3.2	QLogic QLA2460	Windows 2003 R2 x64	McDATA 4400	IBM LTO-4	SNC 5100
	HP Data Protector	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11i	Brocade 4100	IBM TS1120	SDLC - FC Target
		HP AB379A (QLA2462-HP-SP)	HP-UX 11.23p	Brocade 4100	IBM LTO-4	SDLC - DAS

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 10K (Continued)	IBM Tivoli Storage Manager 5.2	IBM 6239	AIX 5.2	QLogic 520x	IBM 3592	SNC 5100
		QLogic QLA2300	Windows 2000 Server	Brocade 3900	IBM LTO-3	SNC 5100
	IBM Tivoli Storage Manager 5.3.2	Emulex LP1050	Windows 2003 Enter-prise	QLogic 560x	IBM LTO-3	SDLC - FC Target
		IBM 5716	AIX 5.3.3	QLogic 560x	IBM LTO-3	SDLC - FC Target
	IBM Tivoli Storage Manager 5.3.3	Emulex LP1050	Windows 2003 Enter-prise	QLogic 560x	IBM LTO-3	SNC 5100
		IBM 5716	AIX 5.3.3	QLogic 560x	IBM LTO-3	SDLC - EDT7.4/DAS
	MassTech MassStore 5.1.1	QLogic QLA2300	Windows 2000		IBM LTO-2	SDLC - FC Target
		QLogic QLA2300	Windows 2000		IBM LTO-3	SDLC - FC Target
	Quantum StorNext Storage Manager 2.5	QLogic QLA2310	Solaris	Brocade 3900	IBM LTO-3	SNC 5100
		QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-2	SNC 5100
	Symantec Net-Backup	Emulex LP11000	Windows	QLogic 560x	IBM LTO-3	SNC 5100
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX	QLogic 560x	IBM LTO-3	SNC 5100
		QLogic QLA2340	Red Hat Linux 4	Brocade 4100	SDLT 320	SNC 5100
		QLogic QLA2460	Red Hat Linux 4	Brocade 4100	IBM TS1120	SDLC - DAS

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar 10K (Continued)	Symantec Net-Backup (Continued)	QLogic QLA2462	Windows	Brocade 4100	IBM TS1120	SDLC - DAS
		QLogic QLA2462	Windows 2003 x86	QLogic 9000	IBM TS1120	SDLC - DAS
		QLogic QLE2460	Windows	Brocade 4100	IBM TS1120	SDLC - FC Target
		QLogic QLE2460	Windows	QLogic 520x	IBM LTO-3	SNC 5100
		Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)	Solaris	QLogic 560x	IBM LTO-3	SNC 5100
		Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris	McDATA 4400	IBM LTO-4	SDLC - DAS
		Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris 10	QLogic 9000	IBM TS1120	SDLC - DAS
	Symantec Net-Backup 4.5	QLogic QLA2300	Windows 2000		IBM LTO-2	
		QLogic QLA2300	Windows 2000		SDLT 220	
	Symantec Net-Backup 5.1	HP A6795A	HP-UX 11i	QLogic 520x	IBM LTO-3	SNC 5100
		QLogic QLA2340	Solaris 9	Brocade 3900	IBM LTO-3	SNC 5100
		QLogic QLA2342	Windows 2000 Server	Brocade 3900	IBM LTO-3	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500	CommVault Galaxy	Emulex LP1050	Windows 2003 x86	QLogic 560x	IBM LTO-3	
		QLogic QLA2300	Red Hat Linux 3	Brocade 3800	IBM LTO-3	
		QLogic QLA2310	Red Hat Linux 4	Brocade 3800	IBM LTO-3	
		QLogic QLA2310	Windows	Brocade 3800	IBM LTO-2	
		QLogic QLA2340	NetWare	Brocade 3900	IBM LTO-3	
		QLogic QLA2340	Red Hat Linux 4	Brocade 3800	IBM LTO-3	FCB7404
		QLogic QLA2340	Red Hat Linux 4	McDATA 4400	IBM LTO-3	
		QLogic QLA2340	Windows	Brocade 3800	IBM LTO-3	FCB7404
		QLogic QLA2340	Windows	McDATA 4400	IBM LTO-3	
		QLogic QLA2342	Windows	Brocade 3800	IBM LTO-3	
		QLogic QLA2342	Windows	Brocade 3900	IBM LTO-3	
		QLogic QLA2460	Solaris	Cisco 9020	IBM LTO-3	
		QLogic QLA2460	Windows 2003 x64	Brocade 4100	IBM LTO-3	
		QLogic QLA2460	Windows 2003 x86	Brocade 4100	IBM LTO-4	
		QLogic QLA2462	SuSE Linux 9 64-bit	Brocade 4100	IBM LTO-3	
		QLogic QLA2462	Windows 2003 x86	Brocade 4100	Quantum LTO-3 HH	
		QLogic QLE2462	Windows 2003 x86	McDATA 4400	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	CommVault Galaxy (Continued)	QLogic QLA2462	Windows 2003 x86	McDATA 4400	IBM LTO-3	FCB7404
		Sun SG-XPCI1FC-Q F4 (QLA2460-SUN-XO)	Solaris	Cisco 9020	IBM LTO-3	
	CommVault Galaxy 7	QLogic QLA2460	SuSE Linux 10	Brocade 4100	IBM LTO-4	FCB7404
		QLogic QLE2460	Windows 2003 EE x86	Brocade 5000	IBM LTO-4	
		QLogic QLE2562	Windows 2003 x64	Brocade 4100	HP LTO4	
	CommVault Galaxy 7 SP2	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x64	Brocade 4100	HP LTO-4 FC	
		QLogic QLE256x	Windows 2003 x64	Brocade 4100	HP LTO-4 FC	
	CommVault Galaxy 7 SP4	HP 8248G (QLogic QLE256x)	Windows 2003 x64			
	CommVault Sim-pana 7	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x64	Brocade 4100	HP LTO-4	
		QLogic QLE256x	Windows 2003 x64	Brocade 4100	HP LTO-4	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	CA BrightStor ARC-serve	HP A6795A	HP-UX 11.23p	QLogic 520x	IBM LTO-3	
		QLogic QLA2310	Solaris	QLogic 560x	IBM LTO-3	
		QLogic QLA2342	Red Hat Linux 3	McDATA 4500	IBM LTO-3	
		QLogic QLA2342	Solaris	Brocade 3800	IBM LTO-3	
		QLogic QLA2460	Windows 2003 x64	Brocade 4100	IBM LTO-4	FCB7404
		QLogic QLA2460	Windows 2003 x64	Brocade 4100	LTO-3 HH	
		QLogic QLA2462	Red Hat Linux 4	Cisco MDS 9216i	IBM LTO-4	FCB7404
		QLogic QLA2462	Windows	Brocade 4100	IBM LTO-3	
		QLogic QLA2462	Windows	Cisco 9020	IBM LTO-3	FCB7404
	CA BrightStor ARC-serve 12	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x86	QLogic 9000	IBM LTO-4 FC	
		QLogic QLE256x	Windows 2003 x86	QLogic 9000	IBM LTO-4 FC	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	EMC NetWorker	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11i v2	QLogic 560x	IBM LTO-2	
		QLogic QLA2310	Windows 2003 x64	Brocade 4100	IBM LTO-2	
		QLogic QLA2460	Solaris	McDATA 4500	IBM LTO-3	
		QLogic QLA2460	SuSE Linux 9	Brocade 4100	IBM LTO-3	
	EMC NetWorker 7.2.1	Emulex LP9802	Windows	QLogic 520x	IBM LTO-3	
		QLogic QLA2322	Red Hat Linux 4	Brocade 3900	IBM LTO-3	
	EMC NetWorker 7.3.2		Windows Server 2003	QLogic 560x	IBM LTO-4	
		Emulex LP1150	Windows 2003 x86	QLogic 9000	IBM LTO-3	
		Emulex LPE1150	Windows 2003 x64	QLogic 9000	Quantum LTO-3 HH	
		IBM 5759	AIX	QLogic 9000	IBM LTO-3	FCB7404
		QLogic QLA2340	Windows	Brocade 4100	IBM LTO-4	FCB7404
		QLogic QLA2460	Solaris	QLogic 9000	IBM LTO-3	FCB7404
		QLogic QLA2460	SuSE Linux 9	Brocade 4100	IBM LTO-3	
		QLogic QLA2462	Windows 2003 x64	Cisco MDS 9216i	HP LTO-4	FCB7404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	EMC NetWorker 7.4	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11i x3 IA64	QLogic 580xV	IBM LTO-3 FC	
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11i x3 IA64	QLogic 9008V	IBM LTO-3 FC	
	HP Data Protector	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11i v2	QLogic 560x	IBM LTO-3	
		HP Tachyon XL2	HP-UX 11.23i	QLogic 520x	HP LTO-4	
		QLogic QLA2310	Windows	Brocade 3800	IBM LTO-2	
		QLogic QLA2342	Solaris	Brocade 3800	IBM LTO-3	FCB7404
		QLogic QLA2342	Windows	Brocade 4100	IBM LTO-3	
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.23i	QLogic 520x	IBM LTO-3	
		Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK)	Solaris		IBM LTO-3	
	IBM Tivoli Storage Manager	IBM 5704	AIX	QLogic 560x	IBM LTO-4	
		IBM 5704	AIX	QLogic 560x	IBM LTO-4	FCB7404
		QLogic QLA2310	Windows	Brocade 4100	IBM LTO-3	
	Quantum StorNext Storage Manager	QLogic QLE2460	Red Hat Linux 4	Brocade 4100	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	Symantec Backup Exec	QLogic QLA2340	Windows	McDATA 4400	IBM LTO-3	
		QLogic QLA2342	Windows		IBM LTO-3	
		QLogic QLA2342	Windows	Brocade 3900	IBM LTO-3	
		QLogic QLA2342	Windows	McDATA 4500	IBM LTO-3	
	Symantec Backup Exec 10d	Emulex LP1050	Windows	QLogic 560x	IBM LTO-2	
		QLogic QLA2460	Windows	QLogic 3050	IBM LTO-3	
		QLogic QLE2462	Windows	Brocade 4100	IBM LTO-3	
	Symantec Backup Exec 10d rev 5629	QLogic QLE2462	Windows 2003 x86		IBM LTO-3	FCB7404
	Symantec Backup Exec 11d	Emulex LPe11002L	Windows	QLogic 560x	IBM LTO-4	FCB7404
		QLogic QLA2340	Windows	QLogic 560x	IBM LTO-4	FCB7404
		QLogic QLA2342	Windows	Brocade 4100	IBM LTO-3	FCB7404
		QLogic QLA2460	Windows 2003 x64 R2	Brocade 4100	IBM LTO-4	FCB7404
		QLogic QLA2460	Windows 2003 x86	McDATA 4400	Quantum HH LTO-3	
		QLogic QLA2462	Windows	Brocade 3800	IBM LTO-3	FCB7404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	Symantec Net-Backup	Emulex LPE11002L	Windows	QLogic 9000	IBM LTO-3	FCB7404
		QLogic QLA2310	Red Hat Linux 3	QLogic 3050	IBM LTO-3	
		QLogic QLA2310	Red Hat Linux 4		IBM LTO-3	
		QLogic QLA2310	Windows	Brocade 3800	IBM LTO-2	
		QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-3	
		QLogic QLA2340	Windows	Brocade 4100	IBM LTO-3	
		QLogic QLA2342	Red Hat Linux 4E	Brocade 4100	IBM LTO-4	
		QLogic QLA2342	Solaris	QLogic 520x	IBM LTO-3	
		QLogic QLA2460	Red Hat Linux 3	Brocade 3800	IBM LTO-3	
		QLogic QLA2460	Red Hat Linux 3 32-bit	McDATA 4400	IBM LTO-3	FCB7404
		QLogic QLA2460	Solaris	Brocade 3900	IBM LTO-3	
		QLogic QLA2460	Windows	Brocade 200E	IBM LTO-3	
		QLogic QLA2462	Windows 2003 x64	QLogic 560x	HP LTO-4	
		QLogic QLE2460	Windows 2003 x86	Brocade 4100	IBM LTO-3	
		Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK)	Solaris	Brocade 3800	IBM LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i500 (Continued)	Symantec Net-Backup (Continued)	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris	Brocade 4100	IBM LTO-4	
		Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris	QLogic 9000	IBM LTO-3	FCB7404
		Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris 10	McDATA 4400	IBM LTO-3	FCB7404
	Symantec Net-Backup 6.5 MPx	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x64	McDATA 4400	IBM LTO-4 FC	
		QLogic QLE256x	Windows 2003 x64	McDATA 4400	IBM LTO-4 FC	
	Symantec Net-Backup 6.5.1	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x64	McDATA 4400	IBM LTO-4	FCB7404
		QLogic QLE256x	Windows 2003 x64	McDATA 4400	IBM LTO-4	FCB7404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000	CommVault Galaxy	Emulex LPE1150	Windows 2003 x86	QLogic 9000	IBM LTO-4	
		Emulex LPE11002L	Red Hat Linux 4	QLogic 9000	IBM LTO-3	
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11i	QLogic 560x	DLT-S4	
		QLogic QLA2340	Solaris	Brocade 3900	HP LTO-3	
		QLogic QLA2460	Red Hat Linux 3	QLogic 3600	IBM LTO-2	
		QLogic QLA2460	Windows	McDATA 4400	HP LTO-3	
		QLogic QLA2462	Red Hat Linux 3	McDATA 4500	HP LTO-3	
		QLogic QLA2462	SuSE Linux 9	Brocade 4100	IBM LTO-3	
		QLogic QLE2460	Windows 2003 x64	QLogic 560x	IBM LTO-3	
		QLogic QLE2462	Red Hat Linux 4	Cisco 9020	DLT-S4	
	CommVault Galaxy 4.2	QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	
		QLogic QLA2340	Windows 2000	Brocade 3200	IBM LTO-2	
	CommVault Galaxy 5	QLogic QLA2340	Windows 2000	Brocade 3800	IBM LTO-2	
	CommVault Galaxy 7.0	QLogic QLA2462	Red Hat Linux 5 32-bit	Brocade 5000	IBM LTO-4	FCB7404
		QLogic QLE2460	Windows 2003 EE x86	Brocade 5000	IBM LTO-4	FCB7404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	CA BrightStor ARC-serve	QLogic QLA2310	Solaris	McDATA 4400	IBM LTO-3	
		QLogic QLA2342	Windows	Brocade 4100	DLT-S4	
		QLogic QLA2460	Windows 2003 x86	Brocade 4100	IBM LTO-4	FCB7404
		QLogic QLA2460	Windows 2003 x86	QLogic 560x	IBM LTO-3	FCB7404
		QLogic QLA2462	Red Hat Linux 4	Brocade 3900	DLT-S4	FCB6404
		QLogic QLA2462	Windows	Brocade 4100	HP LTO-3	
	CA BrightStor ARC-serve 9.0	QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-1	
		QLogic QLA2300	Windows NT 4.0	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2340	Windows 2000	Brocade 3200	IBM LTO-1	
	CA BrightStor ARC-serve 9.01	QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	
	CA BrightStor ARC-serve 10.5	QLogic QLA2310	Solaris 9	Brocade 3900	SDLT 320	SNC 5100
	CA BrightStor ARC-serve 11	QLogic QLA2340	Windows 2003 Server	Brocade 3900	IBM LTO-2	
	CA BrightStor ARC-serve 11.1	QLogic QLA2340	Windows 2000	Brocade 3800	IBM LTO-3	
		QLogic QLA2340	Windows 2003	Brocade 3900	IBM LTO-2	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	CA BrightStor ARC-serve 12	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2008 x64	QLogic 580xV	HP LTO-4 FC	
		Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2008 x64	QLogic 9008V	HP LTO-4 FC	
		QLogic QLE256x	Windows 2008 x64	QLogic 580xV	HP LTO-4 FC	
		QLogic QLE256x	Windows 2008 x64	QLogic 9008V	HP LTO-4 FC	
	Commvault Galaxy 7	QLogic QLE2560	Linux Read Hat 5 64bit	QLogic 5800	IBM LTO4	
	EMC NetWorker	IBM 5716	AIX 5.3.3	QLogic 560x	HP LTO-3	
		Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)	Solaris	Brocade 200E	HP LTO-3	
		QLogic QLE2562	Windows 2003 x64	QLogic 5800	HP LTO4	
	EMC NetWorker 6.1.3	QLogic QLA2300	Windows NT 4.0	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2300	Windows NT 4.0	Brocade 3800	IBM LTO-2	
		QLogic QLA2340	Windows 2000	Brocade 3200	IBM LTO-1	SNC 5101
		QLogic QLA2340	Windows NT 4.0	Brocade 3200	IBM LTO-1	SNC 5101

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	EMC NetWorker 7.0	QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-1	
		QLogic QLA2310	Solaris 9	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2340	Solaris 9	Brocade 3800	IBM LTO-1	
		QLogic QLA2340	Windows 2000	Brocade 3200	IBM LTO-1	SNC 5101
	EMC NetWorker 7.1	IBM 6228	AIX 5.2	QLogic 520x	IBM LTO-2	
		QLogic QLA2310	Red Hat Linux 2.1	QLogic 520x	IBM LTO-2	
		QLogic QLA2310	Windows 2003 Enter-prise	Brocade 3900	IBM LTO-1	
	EMC NetWorker 7.1.1	QLogic QLA2300	Solaris 9	QLogic 520x	IBM LTO-2	
		QLogic QLA2340	Red Hat Linux 3	Brocade 3800	IBM LTO-1	
	EMC NetWorker 7.1.2	QLogic QLA2340	Windows 2000	Brocade 3250	SDLT 600	
	EMC NetWorker 7.2	QLogic QLA2342	Red Hat Linux 3	QLogic 3050	IBM LTO-3	
	EMC NetWorker 7.2.1	Emulex LP10000	Red Hat Linux 3	QLogic 560x	HP LTO-3	FCB6404
		QLogic QLA2310	Solaris	Brocade 3900	IBM LTO-3	FCB6404
		QLogic QLA2460	Windows	Brocade 4100	SDLT 320	SNC 5100

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	EMC NetWorker 7.3.2		Windows Server 2003	QLogic 560x	IBM LTO-4	
		QLogic QLA2310F	Solaris	Brocade 4100	HP LTO-3	FCB7404
		QLogic QLA2460	Red Hat Linux 4	McDATA 4400	IBM LTO-3	
		QLogic QLA2460	Windows	McDATA 4400	IBM LTO-4	FCB7404
		Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris 10	Brocade 5000	IBM LTO-4	FCB7404
	HP Data Protector	Emulex LPE11002L	Red Hat Linux 3	QLogic 560x	HP LTO-3	
		HP A6795A	HP-UX 11i v2 IA64	QLogic 560x	IBM LTO-3	FCB7404
		HP AB379A (QLA2462-HP-SP)	HP-UX 11.23i	QLogic 9000	IBM LTO-4	FCB7404
		QLogic QLA2340	Windows	QLogic 560x	HP LTO-3	
		QLogic QLE2462	Windows 2003 x64	Brocade 3900	IBM LTO-4	
	HP Data Protector 5.0	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.11	QLogic 520x	IBM LTO-2	
	HP Data Protector 5.1	Emulex LP9002L	Windows 2003 Enter-prise	QLogic 520x	IBM LTO-1	
		QLogic QLA2340	Windows 2000	Brocade 3800	IBM LTO-2	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	HP Native Operating System	HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.23pi	Brocade 3800	IBM LTO-3	
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.23pi	Cisco MDS 9140	IBM LTO-3	
		HP A6826A (QLA2342-UX-HP-BK)	HP-UX 11.23pi	McDATA ED-6064	IBM LTO-3	
	IBM Tivoli Storage Manager	Emulex LP11000	Windows 2003 x86	QLogic 9000	IBM LTO-3	FCB7404
		HP A6795A	HP-UX 11i v2 IA64	QLogic 9000	IBM LTO-4	FCB7404
		IBM 5758	AIX	QLogic 9000	IBM LTO-4	FCB7404
		QLogic QLA2460	Windows 2003 Enterprise	Brocade 200E	IBM LTO-2	FCB6404
		QLogic QLA2460	Windows 2003 Enterprise	Brocade 200E	IBM LTO-3	FCB6404
		QLogic QLE2460	Windows 2003 R2 x64	QLogic 9000	IBM LTO-4	FCB7404
	IBM Tivoli Storage Manager 5.0	QLogic QLA2340	Windows 2003 Enterprise		IBM LTO-1	SNC 5100
	IBM Tivoli Storage Manager 5.1.6.5	QLogic QLA2310	Windows 2000	Brocade 3200	IBM LTO-1	
		QLogic QLA2310	Windows 2000	Brocade 3800	IBM LTO-1	
		QLogic QLA2310	Solaris 8	Brocade 3800	IBM LTO-1	
	IBM Tivoli Storage Manager 5.2	QLogic QLA2340	Windows 2000	Brocade 3800	IBM LTO-2	
	IBM Tivoli Storage Manager 5.3.3	IBM 5716	AIX 5.3.3	QLogic 560x	HP LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	QStar HSM 4.30	QLogic QLA2300	Red Hat Linux		IBM LTO-3	
	Quantum StorNext Storage Manager	QLogic QLA2460	Red Hat Linux 3	Brocade 4100	IBM LTO-3	
	Quantum StorNext Storage Manager 2.5	QLogic QLA2342	Red Hat Linux 3	QLogic 3050	IBM LTO-2	
	Symantec Backup Exec	QLogic QLA2342	Windows	Brocade 3900	IBM LTO-3	FCB6404
		QLogic QLA2460	Windows	QLogic 560x	HP LTO-3	FCB6404
	Symantec Backup Exec 9.0	QLogic QLA2300	NetWare 6.0	Brocade 3200	IBM LTO-1	SNC 5100
		QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-1	
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-1	
		QLogic QLA2300	Windows NT 4.0	Brocade 3200	IBM LTO-1	
		QLogic QLA2340	Windows 2000	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2340	Windows 2000	Brocade 3800	IBM LTO-2	
		QLogic QLA2340	Windows 2003	Brocade 3800	IBM LTO-2	
	Symantec Backup Exec 9.1	QLogic QLA2340	Windows 2000 Server		IBM LTO-2	SNC 5100
		QLogic QLA2342	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-2	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	Symantec Backup Exec 10d	Emulex LP1050	Windows 2000 x86	QLogic 520x	IBM LTO-1	
		Emulex LP11000	Windows	QLogic 560x	DLT-S4	FCB6404
		QLogic QLA2460	Windows	Brocade 200E	IBM LTO-3	
		QLogic QLA2460	Windows	Brocade 4100	IBM LTO-3	
	Symantec Backup Exec 11d	Emulex LPE11002L	Windows 2003 x86	QLogic 9000	IBM LTO-2	FCB7404
		QLogic QLA2460	Windows 2003 x86	Brocade 4100	IBM LTO-4	FCB7404
		QLogic QLA2462	Windows 2003 R2 x64	Cisco 9020	IBM LTO-3	FCB6404
		QLogic QLA2462	Windows 2003 x64	Brocade 3800	DLT-S4	
		QLogic QLA2462	Windows 2003 x64	Cisco MDS 9216i	IBM LTO-4	FCB7404
		QLogic QLA2464	Windows 2003 x64	Cisco MDS 9216i	IBM LTO-4	FCB7404
	Symantec Backup Exec 12	Emulex LPE12000	Windows 2008 x64	QLogic 580xV	HP LTO-4	
		Emulex LPE12000	Windows 2008 x64	QLogic 9008V	HP LTO-4	
		QLogic QLE2462	Windows 2008 x64	QLogic 580xV	IBM LTO-4	
		QLogic QLE2462	Windows 2008 x64	QLogic 9008V	IBM LTO-4	
		QLogic QLE2560	Windows 2008 x86	QLogic 5800	Quantum SDLT600	FCB7404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	Symantec Net-Backup	Emulex LP11000	Red Hat Linux 4 32-bit	QLogic 9000	IBM LTO-3	
		QLogic QLA2342	Red Hat Linux 64-bit	Brocade 4100	IBM LTO-4	
		QLogic QLA2460	Solaris	Brocade 4100	IBM LTO-3	
	Symantec Net-Backup (Continued)	QLogic QLA2460	Solaris	McDATA 4400	HP LTO-3	
		QLogic QLE2462	Windows 2003 Enter-prise	Brocade 4100	IBM LTO-2	
		Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	Solaris	Brocade 4100	IBM LTO-4	
	Symantec Net-Backup 4.5	QLogic QLA2300	Solaris 9	Brocade 3800	IBM LTO-1	
		QLogic QLA2300	Windows 2000	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2300	Windows 2003	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2300	Windows 2003	Brocade 3800	IBM LTO-1	
		QLogic QLA2300	Windows 2003 Server	Brocade 3800	IBM LTO-2	
		QLogic QLA2300	Windows NT 4.0	Brocade 3200	IBM LTO-1	
		QLogic QLA2340	Red Hat Linux 7.3	Brocade 3200	IBM LTO-1	
		QLogic QLA2340	Red Hat Linux 7.3	Brocade 3200	IBM LTO-2	FCB6404
		QLogic QLA2340	Solaris 9	Brocade 3800	IBM LTO-1	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Scalar i2000 (Continued)	Symantec Net-Backup 5,0	Emulex LP1050	Windows 2003	QLogic 520x	IBM LTO-2	
		Emulex LP10000	Solaris 9	QLogic 520x	IBM LTO-2	
		Emulex LP10000	Windows 2000	QLogic 520x	IBM LTO-2	
		QLogic QLA2300	Solaris 9		SDLT 320	SNC 5100
		QLogic QLA2300	Solaris 9	Brocade 3800	IBM LTO-2	
		QLogic QLA2300	Solaris 9	Cisco MDS 9216	IBM LTO-2	
		QLogic QLA2340	Windows 2003	Brocade 3800	IBM LTO-2	
		QLogic QLA2342	Windows 2003 Enter-prise	Brocade 3800	IBM LTO-2	
	Symantec Net-Backup 5.1	QLogic QLA2340	Windows 2003	Brocade 3900	IBM LTO-3	
	Symantec Net-Backup 6.0	Sun SG-XPCI1FC-Q F4 (QLA2460-SUN-XO)	Solaris	Brocade 4100	IBM LTO-3	FCB6404
	Symantec Net-Backup 6.5.2	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell Power-Edge Blade Servers (Dell R112D) (QME2572)	Windows 2003 x64	Cisco MDS 9216i	IBM LTO-4 FC	
		QLogic QLE256x	Windows 2003 x64	Cisco MDS 9216i	IBM LTO-4 FC	
	Teradactyl TiBS 2.1.0.7	QLogic QLA2340	Red Hat Linux 4	Brocade 3800	IBM LTO-4	
		QLogic QLA2340	Red Hat Linux 4	Brocade 3800	IBM LTO-4	FCB6404

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Superloader 3	CA BrightStor ARC-serve r11.5	QLogic QLA2460	Windows 2003		DLT-S4	
		QLogic QLA2460	Windows 2003		HP LTO-3	
		QLogic QLA2462	Solaris 10		DLT-S4	
		QLogic QLA2462	Solaris 10		HP LTO-3	
		QLogic QLE2460	Windows 2000		DLT-S4	
		QLogic QLE2460	Windows 2000		HP LTO-3	
		QLogic QLE2462	Solaris 9		DLT-S4	
		QLogic QLE2462	Solaris 9		HP LTO-3	
		QLogic QLE2464	Windows 2003		DLT-S4	
		QLogic QLE2464	Windows 2003		HP LTO-3	
	EMC NetWorker 7.3.1	Emulex LP11002	Solaris 10	QLogic 5602	DLT-S4	
		Emulex LPE11002	Windows 2003	QLogic 5602	HP LTO-3	
		Emulex LPE11002L	Windows 2003	QLogic 5602	HP LTO-3	
	EMC NetWorker 7.3.2	Emulex LP11002	Solaris 10	QLogic 5602	DLT-S4	
		Emulex LPE11002L	Windows 2003	QLogic 5602	HP LTO-3	
		QLogic QLA2462	Windows Server 2003 x86		HP LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Superloader 3 (Continued)	EMC NetWorker 7.x	QLogic QLA2460	Windows 2003		DLT-S4	
		QLogic QLA2460	Windows 2003		HP LTO-3	
		QLogic QLA2462	Solaris 10		DLT-S4	
		QLogic QLA2462	Solaris 10		HP LTO-3	
		QLogic QLE2460	Windows 2000		DLT-S4	
		QLogic QLE2460	Windows 2000		HP LTO-3	
		QLogic QLE2462	Solaris 9		DLT-S4	
		QLogic QLE2462	Solaris 9		HP LTO-3	
		QLogic QLE2464	Windows 2003		DLT-S4	
		QLogic QLE2464	Windows 2003		HP LTO-3	
	Symantec Backup Exec 10.1	QLogic QLA2460	Windows 2003		DLT-S4	
		QLogic QLA2460	Windows 2003		HP LTO-3	
		QLogic QLE2460	Windows 2000		DLT-S4	
		QLogic QLE2460	Windows 2000		HP LTO-3	
		QLogic QLE2464	Windows 2003		DLT-S4	
		QLogic QLE2464	Windows 2003		HP LTO-3	

Table 2-347. Quantum Library Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technology	External Bridge/ Router/ Gateway
Superloader 3 (Continued)	Symantec Net-Backup 6.0	QLogic QLA2460	Windows 2003		DLT-S4	
		QLogic QLA2460	Windows 2003		HP LTO-3	
		QLogic QLA2462	Solaris 10		DLT-S4	
		QLogic QLA2462	Solaris 10		HP LTO-3	
		QLogic QLE2460	Windows 2000		DLT-S4	
		QLogic QLE2460	Windows 2000		HP LTO-3	
		QLogic QLE2462	Solaris 9		DLT-S4	
		QLogic QLE2462	Solaris 9		HP LTO-3	
		QLogic QLE2464	Windows 2003		DLT-S4	
		QLogic QLE2464	Windows 2003		HP LTO-3	
	Symantec Backup Exec 12.5	QLogic QLE2562	Microsoft Windows 2008 x64		DLT-S4 Quan-tum	
	CommVault Galaxy 7	QLogic QLE2562	Linux Red Hat 5.2 x86		DLT-S4 Quan-tum	

Source: Quantum 5/22/08, 9/10 /08; Additional updates 04/20/09

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
P3000	Symantec NetBackup 5.1 MP3		Solaris 8	QLogic 560x	SDLT 600	FC470	NetApp Filer FAS270 Series
PX502	BakBone Net-Vault 7.1			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX502 (Continued)	EMC Net-Worker 7.2			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX502 (Continued)	Symantec NetBackup 5.0, 5.1, 6.0			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX506	BakBone Net-vault 7.1			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX506 (Continued)	EMC Net-Worker 7.2			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX506 (Continued)	Symantec NetBackup 5.0, 5.1, 6.0			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX510	BakBone Net-vault 7.1			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3		NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX510 (Continued)	BakBone Net-vault 7.1 (Continued)			QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200
	EMC Net-Worker 7.2			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX510 (Continued)	EMC Net-Worker 7.2 (Continued)			QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200
	Symantec Net-Backup 5.0, 5.1, 6.0			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC1202	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX510 (Continued)	Symantec Net-Backup 5.0, 5.1, 6.0 (Continued)			QLogic 560x	HP LTO-3	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC1202	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	DLT-S4	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3	FC1202	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC1202	NetApp Filers Near-store R100, R150, R200
PX720	BakBone Net-vault 7.1			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 320	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	BakBone Net-vault 7.1 (Con-tinued)			QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 320	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 320	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC470	NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	EMC Net-Worker 7.2			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 320	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 320	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC470	NetApp GF825, GF900, V-Series

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	EMC Net-Worker 7.2 (Continued)			QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 320	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC470	NetApp Filers Near-store R100, R150, R200
	Symantec Net-Backup 5.0	QLogic QLA2310F	Windows 2000	Brocade 3200 & 3800	SDLT 600		NetApp Filers F700, F800, FAS900
				QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	Symantec Net-Backup 5.0 (Continued)			QLogic 560x	SDLT 320	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 320	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3		NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	Symantec Net-Backup 5.0 (Continued)			QLogic 560x	SDLT 320	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC470	NetApp Filers Near-store R100, R150, R200
	Symantec Net-Backup 5.1	QLogic QLA2342	Windows 2003	Brocade 3200 & 3800	SDLT 600	FC470	NetApp Filers F700, F800, FAS900
				QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 320	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2		NetApp GF825, GF900, V-Series

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	Symantec Net-Backup 5.1 (Continued)			QLogic 560x	HP LTO-2	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 320	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 320	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC470	NetApp Filers Near-store R100, R150, R200
	Symantec Net-Backup 6.0			QLogic 560x	DLT-S4		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-2		NetApp Filers F800, FAS270, FAS900, FAS3000

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	Symantec Net-Backup 6.0 (Continued)			QLogic 560x	HP LTO-2	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	HP LTO-3		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 320	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600		NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	SDLT 600	FC470	NetApp Filers F800, FAS270, FAS900, FAS3000
				QLogic 560x	DLT-S4		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2		NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-2	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	HP LTO-3		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 320	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600		NetApp GF825, GF900, V-Series
				QLogic 560x	SDLT 600	FC470	NetApp GF825, GF900, V-Series
				QLogic 560x	DLT-S4		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-2		NetApp Filers Near-store R100, R150, R200

Table 2-348. Quantum Library with NDMP Interoperability with QLogic Adapters and Switches Matrix (Continued)

Quantum Library	Application Software	Adapter	Operating System	Switch	Tape Technol-ogy	External Bridge\ Router\ Gateway	NAS Filer
PX720 (Continued)	Symantec Net-Backup 6.0 (Continued)			QLogic 560x	HP LTO-2	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	HP LTO-3		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 320	FC470	NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600		NetApp Filers Near-store R100, R150, R200
				QLogic 560x	SDLT 600	FC470	NetApp Filers Near-store R100, R150, R200
Scalar 100	Symantec Net-Backup	QLogic QLA2460	Solaris	Brocade 3900	IBM LTO-2	SNC6101	NetApp Filer: FAS270, FAS6000
		QLogic QLA2460	Solaris	Brocade 4100	IBM LTO-2	SNC6101	NetApp Filer: FAS270, FAS6000
		QLogic QLA2460	Solaris	Cisco 9020	IBM LTO-2	SNC6101	NetApp Filer: FAS270, FAS6000
		QLogic QLA2460	Solaris	McDATA 4500	IBM LTO-2	SNC6101	NetApp Filer: FAS270, FAS6000
Scalar 10K	Symantec Net-Backup	QLogic QLA2342	Solaris	Brocade	IBM LTO-1	SNC5100	NAS Filer: Neo-scale 702
Scalar i500	BakBone Net-Vault 7.1.2	QLogic QLA2340	Solaris	Brocade 3800	IBM LTO-3		NAS Filer: Decru DataFort
	Seven Ten Stor-age StorFirst Altus	QLogic QLA2300	Windows		IBM LTO-4		EMC Centera
Scalar i2000	EMC NetWorker	QLogic QLA2310	Windows 2003 R2 x86		IBM LTO-3		NAS Filer: Decru DataFort

Table Note: NDMP stands for Network Data Management Protocol.

Source: Quantum 5/22/08

Quantum Software Compatibility Guide: http://www.quantum.com/swcompguide.aspx

Table 2-349. Quantum's ADIC Product Interoperability with QLogic Adapters Matrix

QLogic Adapter	Operating System	ADIC Product					
		Scalar 24	Scalar 100	Scalar i500	Scalar i2000	Scalar 10K	Pathlight VX
QLA2300F	Windows	X	X	X	X	X	X
	Red Hat Linux	X	X	X	X	X	X
	Solaris	X	X	X	X	X	X
QLA2310F	Windows	X	X	X	X	X	X
	Red Hat Linux	X	X	X	X	X	X
	Solaris	X	X	X	X	X	X
QLA2340 QLA2340L	Windows	X	X	X	X	X	X
	Red Hat Linux	X	X	X	X	X	X
	Solaris	X	X	X	X	X	X
QLA2342 QLA2342L	Windows	X	X	X	X	X	X
	Red Hat Linux	X	X	X	X	X	X
	Solaris	X	X	X	X	X	X
QLA2460	Windows	X		X	X	X	X
	Red Hat Linux	X		X	X	X	
	Solaris	X		X	X	X	
QLA2462	Windows	X		X	X	X	X
	Red Hat Linux	X		X	X	X	
	Solaris	X		X	X	X	
QLE2460	Windows	X	X	X		X	
	Red Hat Linux			X	X		
QLE2462	Windows	X		X			
	Red Hat Linux				X		
QLE2464	Windows		X				
	Red Hat Linux			X	X		

Source: Quantum 9/9/08

Table 2-350. Quantum's ADIC Product Interoperability with QLogic Switches Matrix

QLogic Switch	Operating System	ADIC Product					
		Scalar 24	Scalar 100	Scalar i500	Scalar i2000	Scalar 10K	Pathlight VX
520x	Windows	X	X	X	X	X	X
	Red Hat Linux	X	X		X	X	X
	Solaris	X	X	X	X	X	X
	HP-UX	X	X	X	X	X	X
	AIX				X		X
560x	Windows	X	X	X	X	X	X
	Red Hat Linux	X	X	X	X	X	X
	Solaris	X		X	X	X	X
	HP-UX	X		X		X	
	AIX	X			X	X	X

Source: Quantum 3/27/08

Table 2-351. Quantum's ADIC and QLogic Embedded Products Matrix

ADIC Product	Embedded QLogic Product
Gateway 3000	ISP2200
SNC 3000	ISP2200
SNC 4000 SNC 5000 SNC 5100 SNC 5101	ISP23x0
SNC 6x0x	ISP2312

Source: ADIC 9/26/06

RELData

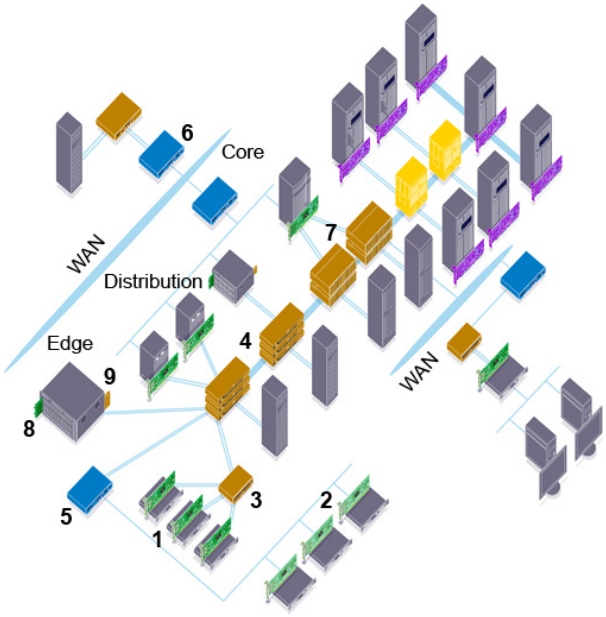
www.reldata.com

RELData and the QLogic Platform

RELData® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-352. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-352. RELData and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



RELDATA and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from RELDATA.

Table 2-353. RELDATA Product Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

RELDATA Product	Operating System	QLogic Adapter	QLogic Switch
RELDATA 9240 Unified Storage System	Citrix XenServer 4.1	QLA2310	SB1400
RELDATA 9240 Unified Storage Gateway	Fedora Core 3, 4, 5, 6, 7, 8	QLA2340	SB560*x*Q
RELvos 2 Virtualization Operating System	Novell NetWare 6	QLA2340L	
	Red Hat Enterprise Linux 4, 5	QLA2342	
	Solaris 10	QLA2342L	
	SUSE Linux 9,10	QLA2344	
	VMware ESX 3.0, 3.5	QLA2460	
	Windows 2000	QLA2462	
	Windows 2003 Server	QLA4050C	
	Windows 2008 Server	QLA4052C	
	Windows Vista	QLE2460	
	Windows XP	QLE2462	
		QLE2464	

Source: RELDATA 6/16/08; QLogic 6/16/08

Sanbolic

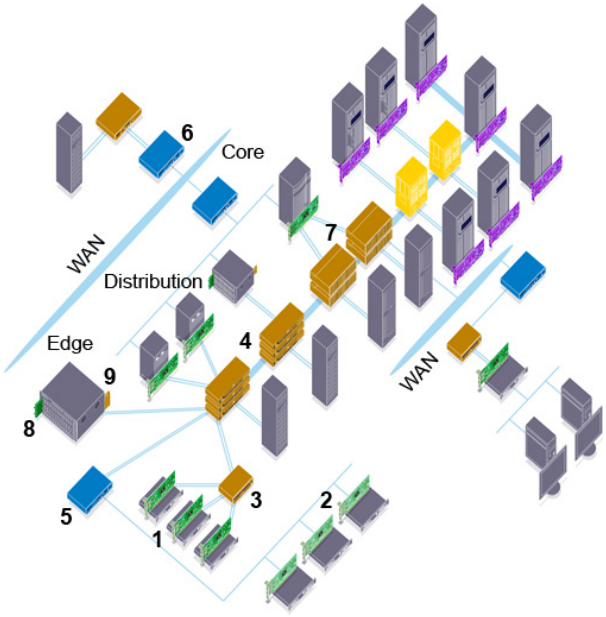
www.sanbolic.com

Sanbolic and the QLogic Platform

Sanbolic® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-354. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-354. Sanbolic and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Sanbolic and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Sanbolic.

Table 2-355. Sanbolic Product Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Sanbolic Product	Operating System	QLogic Adapter	QLogic Switch
Kayo FS	Windows Server 2003 x64	QLA23*xx*	SB520*x*
LaScala Volume Manager	Windows Server 2003 x86	QLE24*xx*	SB560*x*
Melio FS	Windows Server 2008 x64	QLE256*x*	SB580*x*V
SILM	Windows Server 2008 x86	QMI2572	SB9000
		Dell-Dual Port 8Gb Fibre Channel-to-PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	SB9008V

Source: Sanbolic 11/3/08; QLogic 1/27/09

SANRAD

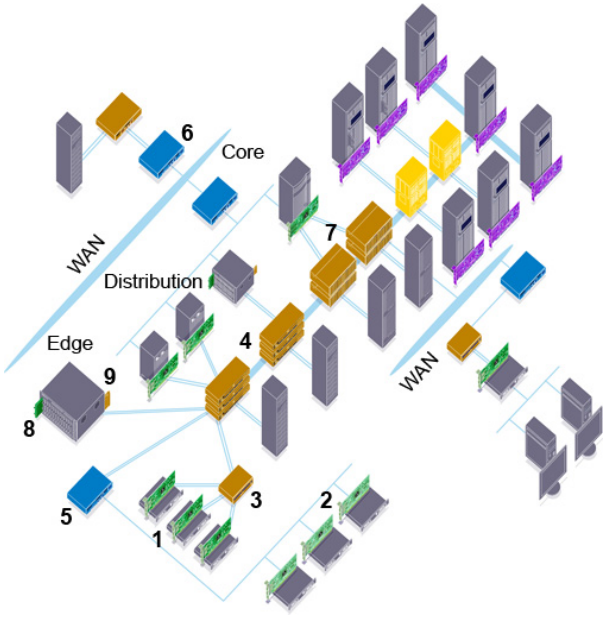
www.sanrad.com

SANRAD and the QLogic Platform

SANRAD™ products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-356. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-356. SANRAD and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



SANRAD and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from SANRAD.

Table 2-357. SANRAD V-Switch and StoragePro Software Interoperability with QLogic iSCSI Adapters and Fibre Channel Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Windows 2000 Windows Server 2003	QLA4010 QLA4010C QLA405*x*	SB520*x*
Solaris Red Hat Linux SUSE Linux	QLA4010 QLA4010C	SB520*x*

Source: SANRAD 08/15/06

Scalent

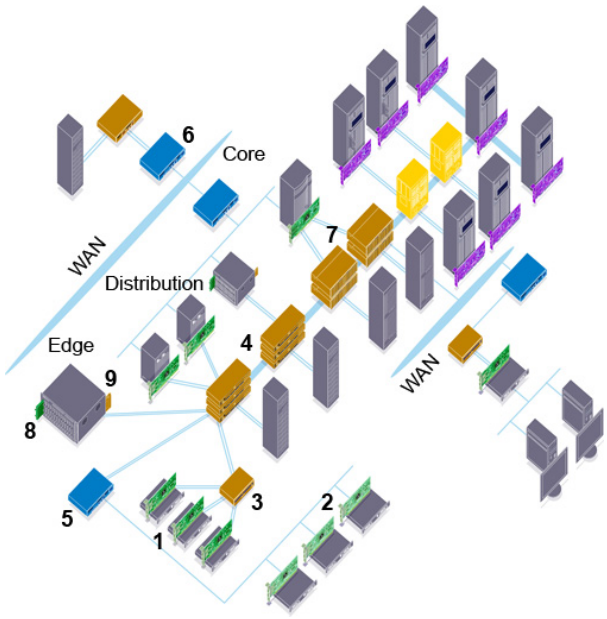
www.scalent.com

Scalent and the QLogic Platform

Scalent™ products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-358. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-358. Scalent and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Scalent and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Scalent.

Table 2-359. Scalent S/SC and V/OE Interoperability with QLogic Fibre Channel Adapters Matrix

Scalent Product	QLogic Adapter	Operating System
V/OE 1.2.5 and 2.0	QLA23*xx*	Red Hat Enterprise Linux 3, 4 SUSE Linux SLES 9 SP2
V/OE 1.2.5 and 2.0	QLA24*xx*	Red Hat Enterprise Linux 4 SUSE Linux SLES 9 SP2
V/OE	QLE256*x*	Red Hat Enterprise Linux 4, 5 VMware ESX 3, 3.5
S/SC	QLE256*x*	Windows 2003 SP1, SP2 32-Bit Windows 2003 SP1, SP2 64-Bit

Source: Scalent 7/24/06, 3/18/09

Seagra

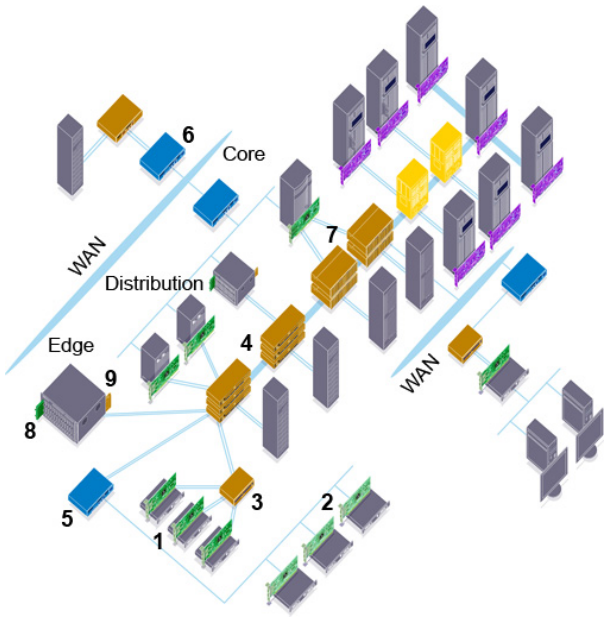
www.seagra.com

Seagra and the QLogic Platform

Seagra products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-360. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-360. Seagra and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Seagra and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Seagra.

Table 2-361. Seagra Product Interoperability with QLogic Fibre Channel Switches Matrix

Seagra Product	Operating System	QLogic Switch
PCI Express STF400PE Adapter PCI-X STF400PX Controller STSRFC4-5000 Storage Subsystem	Mac OS X	SB560*x*

Source: Seagra 5/27/08

SEPATON

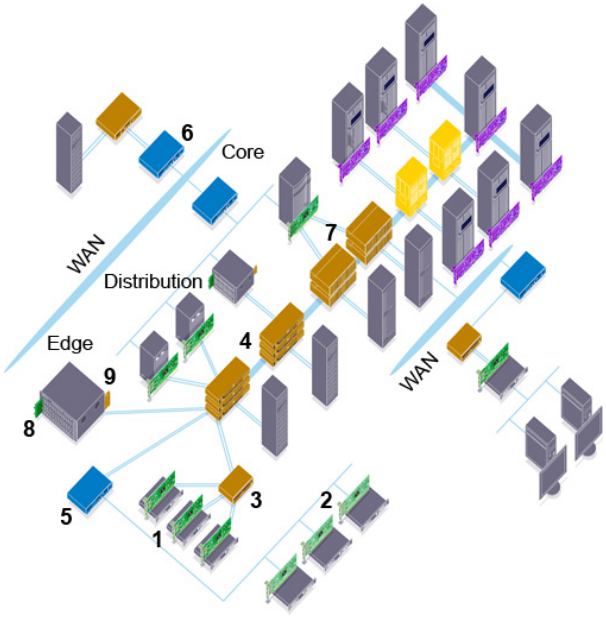
www.sepaton.com

SEPATON and the QLogic Platform

SEPATON® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-362. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-362. SEPATON and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



SEPATON and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from SEPATON.

Table 2-363. SEPATON S2100-ES2 Virtual Tape Library System Interoperability with QLogic Adapters and Switches Matrix

QLogic Adapter	QLogic Switch
QLA2300 QLA2312 QLA2342 QLA2344 QLA246x QLE246x	SB520*x* SB560*x*

Source: SEPATON 2/26/07

SGI

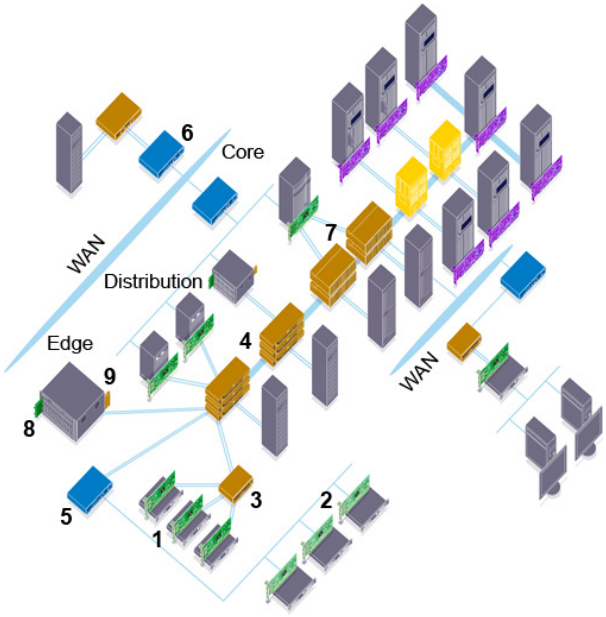
www.sgi.com

SGI and the QLogic Platform

SGI products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-364. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-364. SGI and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



SGI and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from SGI.

Table 2-365. SGI Interoperability with QLogic Fibre Channel Adapters Matrix

SGI Products	Operating System	QLogic Adapters
SGI Altix 4700	SLES10 SP2, kernel 2.6.16.60.0.27	QLE2562
SGI Altix 450	RHEL5.2	QLE2562
SGI Altix XE210/240/250/310/320		QLE2562

Source: SGI 6/02/09

SmartOptics

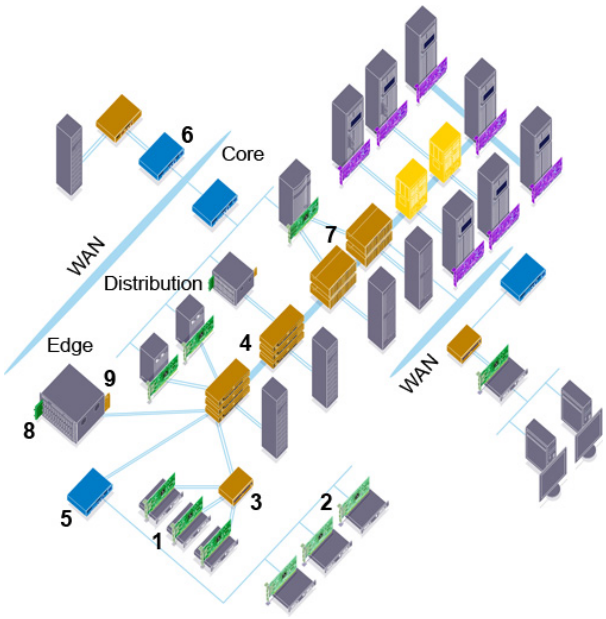
www.smartoptics.com

SmartOptics and the QLogic Platform

SmartOptics products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-366. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-366. SmartOptics and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



SmartOptics and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from SmartOptics.

Table 2-367. SmartOptics Optical CWDM and SFP Optical Transceiver Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch
SB520*x* SB560*x* SB560*x*Q SB580*x*V SB9000 SB9008V

Source: QLogic 10/31/07, 2/22/08, 10/31/08

QLogic and SmartOptics Qualification, September 2007.

Additional updates

Spectra Logic

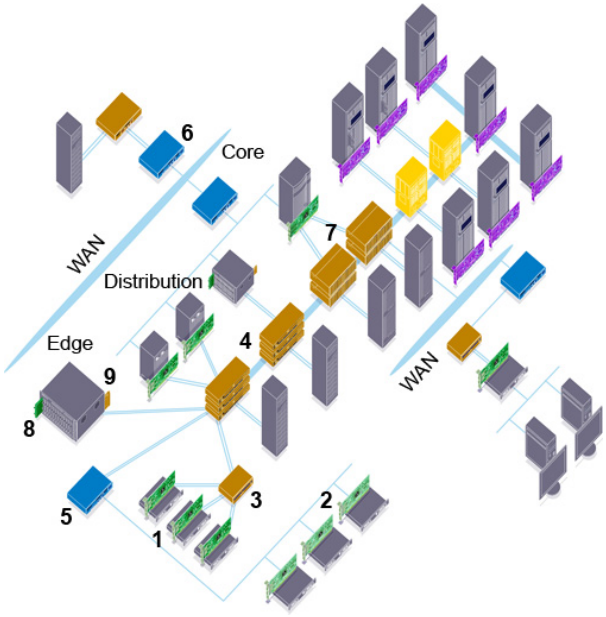
www.spectralogic.com

Spectra Logic and the QLogic Platform

Spectra Logic products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-368. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-368. Spectra Logic and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Spectra Logic and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Spectra Logic.

- Table 2-369. Spectra Logic Product Interoperability with QLogic Adapters and Switches
- Table 2-370. Spectra Logic Product Interoperability with QLogic Adapters Matrix
- Table 2-371. Spectra Logic Product Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-372. Spectra Logic and QLogic Embedded Products Matrix

Table 2-369. Spectra Logic Product Interoperability with QLogic Adapters and Switches

Spectra Logic Product	Operating System	QLogic Adapter	QLogic Switch
Spectra 2K	Solaris Linux	QLA2340, QLA2342	520x
	Windows	QLA2340, QLA2342, QLA4010, QLA4010C	520x
Spectra 10K	Solaris Linux Windows	QLA2340, QLA2342	520x
Spectra 12K Spectra 20K Spectra 64K	Solaris Linux	QLA2340, QLA2342	520x
	Windows	QLA2340, QLA2342, QLA4010, QLA4010C	520x
Spectra T50 Spectra T120 Spectra T950	Windows	QLA4010, QLA4010C	
	Windows 2000	QLA2462	9000
	Windows 2003	QLE2462	9000
Spectra T50 Spectra T200 Spectra T210 Spectra T380 Spectra T950	Windows 2003	QLE4062C, Dual Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)	

Source: Spectra Logic 3/14/06, 12/14/07, 2/25/08; QLogic 7/8/08

Table 2-370. Spectra Logic Product Interoperability with QLogic Adapters Matrix

QLogic Adapter	Spectra Logic Product
QLA2300 series	Spectra 2K Spectra 10K Spectra 12K Spectra 20K Spectra 64K Spectra T50 Spectra T50 Spectra T120 Spectra T950

Source: Spectra Logic 8/22/05

Table 2-371. Spectra Logic Product Interoperability with QLogic iSCSI Adapters Matrix

Operating System	Spectra Logic Library	QLogic Adapter	Backup Application
Windows 2000	Spectra 2K Spectra 12K Spectra 20K Spectra 64K	QLA4010 QLA4010C	CA ARCserve Backup CA BrightStor BakBone NetVault VERITAS NetBackup DataCenter v4.5 FP 4 (including SSO) VERITAS Backup Exec v9.1 (including SSO)
	Spectra T120 Spectra T950	QLA4010 QLA4010C	BakBone NetVault 7.17 CA ARCserve Backup 9.1 CA BrightStor v10.5
Windows 2003	Spectra T50 Spectra T200 Spectra T210 Spectra T380 Spectra T950	QLE4062C	
	Spectra T120 Spectra T950	QLA4010 QLA4010C	Legato Networker 7.1 VERITAS BackupExec v9.1 (including SSO) VERITAS NetBackup DataCenter v5.0 MP1 (including SSO)

Source: Spectra Logic 8/22/05, 2/25/08

Table 2-372. Spectra Logic and QLogic Embedded Products Matrix

Spectra Logic Product Type	Spectra Logic Product	Embedded QLogic Product
Spectra Library	Spectra 64K, Spectra 20K, Spectra 12K	Fibre: QLA2310 and QLA2200 SCSI: QLA12160
	Spectra 10K	QLA2100
	Spectra 2K	Fibre: QLA2200 SCSI: QLA12180
Quad Interface Processor	Fibre Quad Interface Processor (FQIP)	Fibre: QLA2200 SCSI: QLA12160
	G2 Ethernet Quad Interface Processor (EQID)	SCSI: QLA12160
	G2 Fibre Quad Interface Processor (FQIP)	Fibre: QLA2310 SCSI: QLA12160
	LCF Quad Interface Processor (QIP)	Fibre: QLA2310
Sparrow Hawk	G2 Ehawk (new Sparrow Hawk)	SCSI: QLA12160
	Sparrow Hawk	SCSI: QLA1080
	TreeFrog (Sparrow Hawk)	Fibre: QLA2200

Source: Spectra Logic 8/8/03

StoneFly

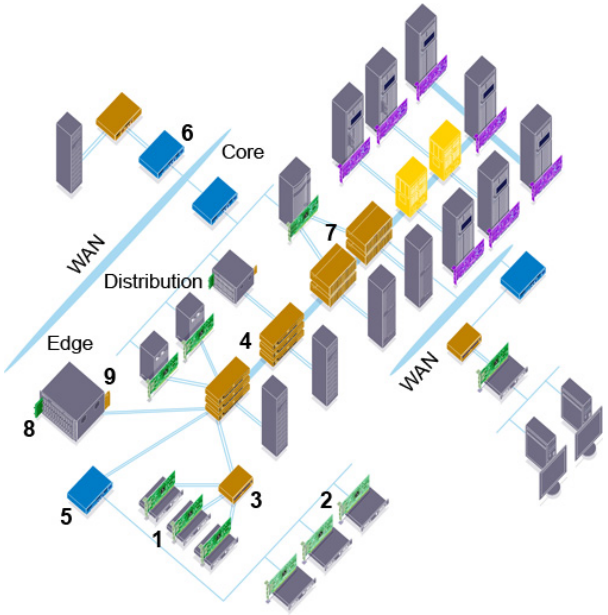
www.stonefly.com

StoneFly and the QLogic Platform

StoneFly® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-373. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-373. StoneFly and QLogic Network Platform

Certified	QLogic Product
	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



StoneFly and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from StoneFly.

- Table 2-374. StoneFly Product Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-375. QLogic Technology Embedded in StoneFly Products

Table 2-374. StoneFly Product Interoperability with QLogic iSCSI Adapters Matrix

Product	Operating System	QLogic Adapter
Integrated Storage Concentrator-ISC Configurations Integrated-HA Storage Concentrator-HSC Configurations OptiSAN/Modular Storage Concentrator-MSC Configurations	Linux Solaris Windows	QLA401*x* QLA405*x* QLE406*x*C Dual-Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062)

Source: StoneFly Networks 3/27/08; QLogic 7/8/08

Table 2-375. QLogic Technology Embedded in StoneFly Products

StoneFly Product	Embedded QLogic Product
StoneFly DNF IPBank E-Series and FlexStor-NAS Products StoneFly Integrated Storage Concentrator-ISC Configurations StoneFly ISC-1620 StoneFly ISC-2420 StoneFly Integrated-HA Storage Concentrator-HSC Configurations StoneFly HSC-1420 StoneFly Modular Storage Concentrator-MSC Configurations StoneFly MSC Storage Concentrator i3500 StoneFly MSC OptiSAN StoneFly MSC ValueSAN	QLA23*xx*

Source: StoneFly Networks 10/9/06

Sun

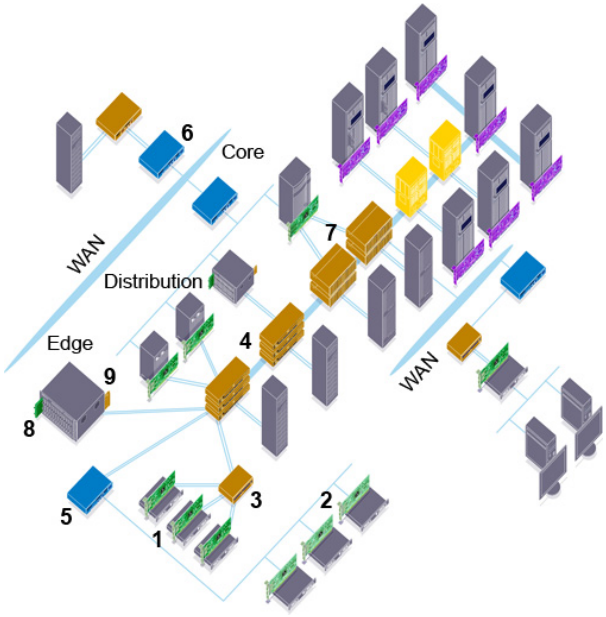
www.sun.com

Sun and the QLogic Platform

Sun products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-376. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-376. Sun and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
✓	2 QL*x*40*xx* iSCSI Adapters	
✓	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
✓	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
✓	8 Blade Server Adapters	
	9 Blade Server Switch Modules	



Sun and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Sun Microsystems.

- Table 2-377. Sun Adapter Reference Matrix
- Table 2-378. Sun Switch Reference Matrix
- Table 2-379. Sun StorageTek Enterprise Solutions with QLogic Adapters and Switches Matrix
- Table 2-380. Sun StorageTek Mid-Range Solutions with QLogic Adapters and Switches Matrix
- Table 2-381. Sun StorageTek Small Medium Business (SMB) Solutions with QLogic Adapters and Switches Matrix
- Table 2-382. Sun Server Interoperability with QLogic 9000 Switches Matrix
- Table 2-383. Sun Storage Interoperability with QLogic 9000 Switches Matrix
- Table 2-384. Sun Server Interoperability with QLogic Adapters Matrix
- Table 2-385. Sun Blade Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix
- Table 2-386. Sun Fire x64 Servers Interoperability with QLogic iSCSI Adapters Matrix
- Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix
- Table 2-388. Sun Netra Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix
- Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix
- Table 2-390. Sun StorageTek C2 FC Autoloader Interoperability with QLogic Adapters and Switches Matrix
- Table 2-391. Sun StorageTek C4 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix
- Table 2-392. Sun StorageTek L180 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix
- Table 2-393. Sun StorageTek L700/L1400 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix
- Table 2-394. Sun StorageTek SL24 FC Tape Autoloader Interoperability with QLogic Adapters and Switches Matrix
- Table 2-395. Sun StorageTek SL48 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix

- Table 2-396. Sun StorageTek SL500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix
- Table 2-397. Sun StorageTek SL3000 FC Library Interoperability with QLogic Adapters and Switches Matrix
- Table 2-398. Sun StorageTek SL8500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix
- Table 2-399. Sun StorageTek 2540 Disk Array Interoperability with QLogic Adapters and Switches Matrix
- Table 2-400. Sun StorageTek 3510/3511 Disk Array Interoperability with QLogic Adapters and Switches Matrix
- Table 2-401. Sun StorageTek 3510/3511 Disk Array Interoperability with QLogic Adapters Matrix
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- Table 2-405. Sun StorageTek 9900 Disk Array Interoperability with QLogic Adapters Matrix
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- Table 2-410. Sun and QLogic Embedded Products Matrix

Table 2-377. Sun Adapter Reference Matrix

QLogic Part Number	Sun Part Number	Description
QLA2310F-CK	SG-XPCI1FC-QF2 (X6767A)	2Gb FC – Single Port – PCI-X 66 MHz
QLA2340-SUN-XO	SG-XPCI1FC-QL2	2Gb FC – Single Port – PCI-X, RoHS
QLA2342-CK	SG-XPCI2FC-QF2 (X6768A)	2Gb FC – Dual Port – PCI-X 133 MHz
QLA2342R-SUN-XO	SG-XPCI2FC-QF2-Z	2Gb FC – Dual Port – PCI-X, RoHS
QLA2460-SUN-XO	SG-XPCI1FC-QF4	4Gb FC – Single Port – PCI-X, RoHS
QLA2462-SUN-XO	SG-XPCI2FC-QF4	4Gb FC – Dual Port – PCI-X, RoHS
QLE2460-SUN-XO	SG-XPCIE1FC-QF4	4Gb FC – Single Port – PCIe Express, RoHS
QLE2462-SUN-XO	SG-XPCIE2FC-QF4	4Gb FC – Dual Port – PCIe Express, RoHS
QLE2560-SUN-XO	SG-XPCIE1FC-QF8-Z	8Gb FC - Single Port - PCIe Express, RoHS
QLE2562-SUN-XO	SG-XPCIE2FC-QF8-Z	8Gb FC - Dual Port - PCIe Express, RoHS
QEM2462	SG-XPCIE2FC-QB4-Z	4Gb FC – PCIe EXPRESSMODULE – Dual Port
QEM3472	SG-XPCIE2FCGBE-Q-Z	Dual Port 4-Gb FC and Dual Port 1-Gb Ethernet – Combo PCIe EXPRESSMODULE

Table Notes
RoHS stands for Restriction of Hazardous Substances compliant.

Source: Sun Microsystems 9/19/08

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 4/07. Cross Reference Guide. (QLogic Corporation)

Sun Microsystems Solutions (QLogic Corporation) Q1FY08

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Sun Microsystems Solutions (QLogic Corporation), October 2008

Table 2-378. Sun Switch Reference Matrix

QLogic Part Number	Sun Part Number	Description
SB5200-08A	SG-XSWQLG5200-8P	2Gb – 8-port FC switch (upgradeable).
SB5200-20A	SG-XSWQLG5200-20P	2Gb – 16-port FC switch (stackable).
LK5200-xx	SG-XSWQLG5200-UPG	2Gb – 4-port upgrade for 8-port or 12-port QLogic 5200 switch.
LK5200-20	SG-XSWQLG5200-10UP	10Gb – 4-port upgrade for 16-port QLogic 5200 switch.
SB5600-08B-04X	SG-XSWQLG5600-8P-Z	QLogic 5600 4Gb Fibre Channel stackable switch with 8 ports (upgradable to 20 ports), single power supply, 8 SFPs.
SB5600-20B-04X	SG-XSWQLG5600-20-Z	QLogic 5600 4Gb Fibre Channel stackable switch with 20 ports, single power supply, 16 SFPs.

Table 2-378. Sun Switch Reference Matrix (Continued)

QLogic Part Number	Sun Part Number	Description
LK5600-SU-04	SG-XSWQLG5600-UP-Z	4-port license key for QLogic 5600 Fibre Channel stackable switch with 4 SFPs.
LK5600-SU-04X	SG-XSWQLG5600U10-Z	10Gb activation license key for QLogic Fibre Channel stackable switch.
XPAK-9IN-04X	SG-XSWQLG5200-CBL	9-inch copper cable for stacking 3 or more 5600 stackable switches.
SB5X0X-RK-04	SG-XSWQLG5200-RK-Z	Rackmount kit for QLogic Fibre Channel stackable switch.
SB5602-08B-04X	SG-XSWQLG5602-8P	QLogic 5602 4Gb Fibre Channel stackable switch with 8 ports (upgradeable to 20 ports), dual power supplies, 8 SFPs, and SAN-surfer Storage Management software.
SB5602-20B-04X	SG-XSWQLG5602-20P	QLogic 5602 4Gb Fibre Channel stackable switch with 20 ports, dual power supplies, 16 SFPs, and SANsurfer Storage Management soft-ware.
LK5602-SU-04	SG-XSWQLG5602-UPG	4-port license for QLogic 5602 Fibre Channel stackable switch with 4 SFPs.
LK5602-SU-04X	SG-XSWQLG5602-10UP	10Gb activation license key for QLogic 5602 Fibre Channel stackable switch.
XPAK-9IN-04X	SG-XSWQLG5200-CBL	9-inch copper cable for stacking 3 or more 5600 stackable switches.
SB5X0X-RK-04	SG-XSWQLG5200-RK-Z	Rackmount kit for QLogic Fibre Channel stackable switch.
SB5602-64B-04X	SG-XSWQL5602-PRO-Z	QLogic 5602 4Gb Fibre Channel switch stack with 64 active ports. Includes four 5602 20-port FC switches, three 10Gb 9-inch cables, four rackmount rail kits, four 3-inch 10Gb cables, 64 SFPs, eight U.S. power cords, and SANsurfer Switch Manager. Each 5602 FC switch includes two hot swappable power supplies.
SB5802V-08B -04X	SG-XSWSN5802-8P	QLogic 5802 8Gb Fibre Channel stackable chassis switch includes eight 8Gb device ports (expandable to 20 ports), plus four 10Gb stacking ports (upgradeable to 20Gb). The switch includes dual hot-swap power supply modules with integrated cooling fans and power cables. Includes QuickTools Management software and Fabric Security software. Compatible with 8Gb, 4Gb and 2Gb SFPs.
SFP8-SW-4PK-04	SG-XSWSN-8G-SW-4PK	8Gb FC SFP, 4-Pack. Each contains four (4) 8Gb Fibre Channel SFPs + optical transceivers.
LK-5802-4PORT-04	SG-XSWSN5802-UPG	Device Port Activation License for SB5802 FC switch. Each license activates four additional device ports.
LK-5802-20G-04	SG-XSWSN5802-2OUP	20Gb Stacking Port Speed Upgrade. Changes speed from 10Gb to 20Gb for all 4 stacking ports on a single SB5802 FC Switch.
SB5X0X-RK-04	SG-XSWSN5X00-RK	Rackmount kit for SB5802 FC Switch.
EFS2007-04	SG-XSWSN-EFS07	Enterprise Fabric Suite (EFS) 2007

Table 2-378. Sun Switch Reference Matrix (Continued)

QLogic Part Number	Sun Part Number	Description
SB9200-32A-04X	SG-XSWQLG9200-32RZ	QLogic 9200 Fibre Channel stackable chassis switch includes two 16-port FC I/O blades (each upgradeable to 128 ports), single CPU, dual fans, dual hot-swappable power supplies, rail kit, power cords, and Enterprise Fabric Suite software.
SB9100-16B-04	SG-XSWQLG9100-16BZ	QLogic 9100 Fibre Channel stackable chassis switch includes one 16-port FC I/O blade (upgradeable to 128 ports), single CPU, dual fans, dual hot-swappable power supplies, rail kit, power cords, and Enterprise Fabric Suite software.
SB9000-CPU-04X	SG-XSWQLG9000-CPUZ	CPU upgrade allows customers to add a second redundant processor (CPU) to QLogic 9100 FC stackable chassis.
N/A	SG-XSWQLG9004-4GSZ	4Gb FC I/O blade contains 16 FC ports, auto-sensing 4Gb/2Gb/1Gb. Configure all eight slots of the QLogic 9100 switch with FC I/O blades for a total of 128 FC ports. Contains 16 short-wave 4Gb/sec SFPs.
SB9004-4G-04X	SG-XSWQLG9004-4G-Z	4Gb FC I/O blade contains 16 FC ports, auto-sensing 4Gb/2Gb/1Gb. Configure all eight slots of the QLogic 9100 switch with FC I/O blades for a total of 128 FC ports. No SFPs included.
SB9010-10G-04X	SG-XSWQLG9010-10GZ	10Gb FC I/O blade contains 4 FC ports. Configure QLogic 9100 and 9200 switch slots with 10Gb FC blades for high-speed ISL connectivity from the core to the distribution tier with QLogic 5000 stackable switches. No SFPs included.
X2-XPAK-COPP-18-04	SG-XSWQLG-X2CU18-Z	X2 TO XPAK 10Gb FC ISL copper cable, 18-in. length for connectivity between QLogic 5000 Switch and QLogic 9000 Switch.
X2-XPAK-COPP-78-04	SG-XSWQLG-X2CU78-Z	X2 TO XPAK 10Gb FC ISL copper cable, 78-in. length for connectivity between QLogic 5000 Switch and QLogic 9000 Switch.
LK-SANDR-04	SG-XSWQLG9000SANDR	QLogic SANdoctor Software License for 9000 Stackable Chassis Switches.
LK-9200-FT-04	SG-XSWQLG9200-FT	Fault Tolerant Licensing Kit for QLogic 9200 switch.
LK-9200-HS2-04	SG-XSWQLG9XXX-HSKZ	HyperStack Licensing Kit for QLogic 9200 switch.

Source: Sun Microsystems 9/19/08, 9/29/08, 11/12/08

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 6/06. Cross Reference Guide. (QLogic Corporation)

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 7/06. Cross Reference Guide. (QLogic Corporation)

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 9/06. Cross Reference Guide. (QLogic Corporation)

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 4/07. Cross Reference Guide. (QLogic Corporation)

Sun Microsystems Solutions (QLogic Corporation), September 2008

Sun Microsystems Solutions (QLogic Corporation), October 2008

Additional updates

Table 2-379. Sun StorageTek Enterprise Solutions with QLogic Adapters and Switches Matrix

Sun StorageTek		QLogic Directors	QLogic Switches	QLogic Adapters
9985 System 9985V System 9990 System 9990V System	8Gb	Sun SG-XSWQLG9100-16RZ (9100 16-Port), Sun SG-XSWQLG9200-32RZ (9200 32-Port)	Sun SG-XSWSN5802-8P (5802 8-Port) Sun SG-XSWSN5802-2OP (5802 20-Port)	Sun SG-XPCIE1FC-QF8-Z (QLE2560-SUN-XO) Sun SG-XPCIE2FC-QF8-Z (QLE2562-SUN-XO)
	4Gb		Sun SG-XSWQLG5602-8P (5602 8-Port), Sun SG-XSWQLG5602-20P (5602 20-Port)	Sun SG-XPCIE2FC-QB4-Z (QEM2462), Sun SG-XPCIE2FCGBE-Q-Z (QEM3472) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Source: Sun Microsystems 11/12/08

Sun Microsystems Solutions (QLogic Corporation) October 2008

Table 2-380. Sun StorageTek Mid-Range Solutions with QLogic Adapters and Switches Matrix

Sun StorageTek		QLogic Directors	QLogic Switches	QLogic Adapters
6140 Disk Array 6540 Disk Array	8Gb FC	Sun SG-XSWQLG9100-16RZ (9100 16-Port), Sun SG-XSWQLG9200-32RZ (9200 32-Port)	Sun SG-XSWSN5802-8P (5802 8-Port) Sun SG-XSWSN5802-2OP (5802 20-Port)	SG-XPCIE1FC-QF8-Z (QLE2560-SUN-XO) SG-XPCIE2FC-QF8-Z (QLE2562-SUN-XO)
	4Gb FC		Sun SG-XSWQLG5602-8P (5602 8-Port), Sun SG-XSWQLG5602-20P (5602 20-Port)	Sun SG-XPCIE2FC-QB4-Z (QEM2462), Sun SG-XPCIE2FCGBE-Q-Z (QEM3472) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Source: Sun Microsystems 11/12/08

Sun Microsystems Solutions (QLogic Corporation) October 2008

Table 2-381. Sun StorageTek Small Medium Business (SMB) Solutions with QLogic Adapters and Switches Matrix

Sun StorageTek		QLogic Switches	QLogic Adapters
2540 Disk Array	4Gb FC	Sun SG-XSWQLG5602-8P (5602 8-Port), Sun SG-XSWQLG5602-20P (5602 20-Port)	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	2Gb FC		Sun SG-XPCI1FC-QLC (QLA210) Sun SG-XPCI1FC-QLC-Z (QLA210R-SUN-XO) Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)

Source: Sun Microsystems 11/12/08

Sun Microsystems Solutions (QLogic Corporation) October 2008

Table 2-382. Sun Server Interoperability with QLogic 9000 Switches Matrix

Sun Server
Netra 240, 1280; Sun Blade 1500, 2500, 2500+; Sun Fire 2900, 4800, 4810, 6800, 12K, 15K, 20K, 25K, E4900, E6900, T1000, T2000, V40z, V210, V215, V240, V250, V245, V440, V445, V480, V490, V880, V890, V1280, X2100, X2200, X4100 M2, X4200 M2, X4600; Sun Fire 6000 and 8000 Blade Server

Source: Sun Microsystems 5/23/07

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 4/07. Cross Reference Guide. (QLogic Corporation)

Table 2-383. Sun Storage Interoperability with QLogic 9000 Switches Matrix

Sun Storage
C4 Library – LTO-2, LTO-3, SDLT600; FC-SCSI Bridge: L25/100 with FC420 – LTO-2, LTO-3, SDLT600; FC Robots: L180/L700 – LTO-2, LTO-3, 9840B, 9840C, SDLT600; Full Fabric FC Tape Drives: StorageTek 9840B, 9840C, 9940B; LTO-2, LTO-3, SDLT600; L500 – LTO-2, LTO-3; StorageTek 9840B, FLX380; StorageTek 3510, 3511, 6120, 6130, 6320, 6140, 6540, 6920, 9910, 9960, 9970, 9980, 9985, 9990, T3B array with full fabric

Source: Sun Microsystems 5/23/07

Sun Microsystems. Sun and QLogic Part Number Cross Reference. 4/07. Cross Reference Guide. (QLogic Corporation)

Table 2-384. Sun Server Interoperability with QLogic Adapters Matrix

QLogic Adapter	Sun Server
SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK)	Enterprise 250, 450, 220R, 420R, 3500, 4500, 5500, 6500, 10000; Sun Fire 280R, 4800, 4810, 6800, 12K, 15K, E20K, E25K, E2900, E4900, E6900, V40z, V60x, V65x, V125, V210, V215, V240, V245, V250, V440, V445, V480, V490, V880, V890, V1280, X4100, X4200, X4500, X4600
SG-XPCI1FC-QL2 (QLA2340-SUN-XO) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)	Enterprise 250, 450, 220R, 420R, 3500, 4500, 5500, 6500, 10000, M4000, M5000, M8000, M9000; Sun Fire 280R, 4800, 4810, 6800, 12K, 15K, E20K, E25K, E2900, E4900, E6900, T2000, V40z, V60x, V65x, V125, V210, V215, V240, V245, V250, V440, V445, V480, V490, V880, V890, V1280, X4100, X4200, X4500, X4600
SG-XPCI1FC-QF4 (QLA2460-SUN-XO) SG-XPCI2FC-QF4 (QLA2462-SUN-XO)	Enterprise M4000, M5000, M8000, M9000; Sun Fire 280R, 4800, 4810, 6800, 12K, 15K, E20K, E25K, E2900, E4900, E6900, T2000, V40z, V125, V210, V215, V240, V245, V250, V440, V445, V480, V490, V880, V890, V1280, X4100, X4200, X4500, X4600
SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	Enterprise M4000, M5000, M8000, M9000, T1000, T2000; Sun Fire V215, V245, V445, X2200, X4100 M2, X4200 M2, X4600
SG-XPCIE1FC-QF8-Z (QLE2560-SUN-XO) SG-XPCIE2FC-QF8-Z (QLE2562-SUN-XO)	Sun Fire V445, V245, X2100, X2200, X2200, X2250, X4100 M2, X4140, X4150, X4200 M2, X4240, X4250, X4440, X4450, X4600; Sun Netra T2000; Sun SPARC T5120, T5140, T5220, T5240, T5440, M4000, M5000, M8000, M9000
SG-XPCIE2FC-QB4-Z (QEM2462) SG-XPCIE2FCGBE-Q-Z (QEM3472)	Sun Blade 6000, 8000

Source: Sun Microsystems 11/12/08

Sun Microsystems Solutions (QLogic Corporation) Q1FY08

Sun Microsystems Solutions (QLogic Corporation) September 2008

Sun Microsystems Solutions (QLogic Corporation) October 2008

Table 2-385. Sun Blade Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix

Sun Blade Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
8000 8000P	6140	Red Hat Enterprise Linux AS 4 (AMD64) Windows 2003 (AMD64)	Sun SG-XPCIE2FC-QB4-Z (QEM2462)
	6540	Red Hat Enterprise Linux AS 4 (AMD64) Solaris x86 10 Windows 2003 (AMD64)	Sun SG-XPCIE2FC-QB4-Z (QEM2462)

Source: Sun Microsystems, 8/15/07

Table 2-386. Sun Fire x64 Servers Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter
Windows 2003 x64 SP1	QLA4050C QLA4052C
Sun Fire x66 servers were code-named *Sun Galaxy*.	

Source: QLogic Corporation 6/2/06

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
E20K	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
E25K	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
E2900	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
E4900	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
E6900	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
T1000	2540 6140 6540	Solaris 10	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
T2000	2540	Solaris 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140	Solaris 10	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
V125	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140 6540	Solaris 9	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
V210	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140 6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
V215	2540	Solaris 9	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140 6540	Solaris 9	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
V240	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140 6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
V245	2540	Solaris 9	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140 6540	Solaris 9	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
V440	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
V445	2540	Solaris 9	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140 6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
V490	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
V890	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
V1280	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
X2100 M2 X2200 M2	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140	Solaris x86 10	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)
	6540	Solaris x86 10	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4100	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4100 M2	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140	Solaris x86 10	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)
	6540	Solaris x86 10	Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4200	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4200 M2	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4600	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)
	6540	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-387. Sun Fire Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Fire Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4600 M2	2540	Solaris x86 10 SUSE Linux Enterprise Server 8.0, 9.0 (AMD64) VMware ESX 3.0.1, 3.0.2 Windows 2003 (AMD64)	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6140	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	6540	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Source: Sun Microsystems, 8/15/07

Table 2-388. Sun Netra Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix

Sun Netra Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
210 240	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140 6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
440	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
1280	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6140	Solaris 10	Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
1290	2540	Solaris 9, 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	6540	Solaris 10	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)

Table 2-388. Sun Netra Servers with Sun StorageTek Disk Arrays Interoperability with QLogic Adapters Matrix (Continued)

Sun Netra Server	Sun StorageTek Disk Array	Operating System	QLogic Adapter
X4200 M2	6140	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
		Windows 2003 (AMD64)	Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)
	6540	Red Hat Enterprise Linux AS 3, 4 (AMD64) SUSE Linux Enterprise Server 9.0 (AMD64)	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
		Solaris x86 10	Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Source: Sun Microsystems, 8/15/07

Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix

Operating System	Sun StorageTek Drive Type	QLogic Adapter	QLogic Switch/Router
HP-UX 11.1	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb SDLT600 T10000 2Gb, 4Gb	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP)	
	VTL Plus 1.0, 3540 HA		QLogic 9000 Switches

Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Operating System	Sun StorageTek Drive Type	QLogic Adapter	QLogic Switch/Router
HP-UX 11.23	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb SDLT600 T10000 2Gb, 4Gb	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP)	
	HP LTO-4	HP A6826A (QLA2342-UX-HP-BK) HP AB379B (QLA2462-HP-SP)	
	T10000A	HP A6826A (QLA2342-UX-HP-BK)	
	VTL Plus 1.0, 3540 HA	HP A6826A (QLA2342-UX-HP-BK)	QLogic 9000 Switches
NetWare 5.1, 6.0, 6.5	9840A/B/C 9940A/B HP LTO-1/2 IBM LTO-1/2	QLogic QLA23xx	520x Switches 560x Switches QLogic 9000 Switches
Red Hat Linux AS/ES 3.0, 4.0	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb SDLT600 T10000 2Gb, 4Gb	QLogic QLA23xx, QLA246x, QLE246x; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
	VTL Plus 1.0	QLogic QLA23xx, QLA246x, QLE246x; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	

Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Operating System	Sun StorageTek Drive Type	QLogic Adapter	QLogic Switch/Router
Red Hat Linux AS 4.0	HP LTO-3 IBM LTO-3/4 VTL Plus 2.0, VTL Prime	QLogic QLE2462, QLE2464	560x Switches QLogic 9000 Switches
	9840D HP LTO-3/4 IBM LTO-3/4 Quantum DLT-S4 T10000B	QLogic QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV Switches 9008V Switches
Red Hat Linux AS/ES 4.0	HP LTO-3 FC 4Gb IBM LTO-3 FC 4Gb	QLogic QLA405x	1400 Switch 6140 Router
SGI IRIX 6.5.xx	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb	QLogic QLA23xx	
SGI IRIX 6.5.29	T10000	QLogic QLA23xx	
Solaris 10	9840C 9940B HP LTO-3 2Gb, 4Gb IBM LTO-3 2Gb, 4Gb SDLT600 T10000 2Gb, 4Gb	QLogic QLA23xx, QLA246x, QLE246x; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
	HP LTO-4	QLogic QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV Switches 9008V Switches

Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Operating System	Sun StorageTek Drive Type	QLogic Adapter	QLogic Switch/Router
Solaris SPARC 9, 10	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb SDLT600 S4	QLogic QLA23xx, QLA246x, QLE246x; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
Solaris SPARC 10	T10000A	QLogic QLA246x	
Windows 2000	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb SDLT600 S4	QLogic QLA23xx, QLA246x, QLE246x; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
Windows 2003	9840A/B/C 9940A/B HP LTO-1/2/3 2Gb, 4Gb IBM LTO-1/2/3 2Gb, 4Gb SDLT600 T10000 2Gb, 4Gb	QLogic QLA23xx, QLA246x, QLE246x; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
	9840D	QLogic QLE246x	QLogic 9000 Switches

Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Operating System	Sun StorageTek Drive Type	QLogic Adapter	QLogic Switch/Router
Windows 2003 (Continued)	9840D HP LTO-3 IBM LTO-3 T10000B	QLogic QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV Switches 9008V Switches
	HP LTO-3 IBM LTO-3/4 VTL Plus 2.0, VTL Prime	QLogic QLE2462, QLE2464	560x Switches QLogic 9000 Switches
	HP LTO-4	QLogic QLA246x	
		QLogic QLE246x	580xV Switches 9008V Switches
	IBM LTO-4	QLogic QLA234x, QLA246x	QLogic 9000 Switches
		QLogic QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV Switches 9008V Switches
	Quantum DLT S4	QLogic QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV Switches 9008V Switches
	T10000A	QLogic QLA246x	QLogic 9000 Switches
	VTL Plus 2.0, VTL Prime	QLogic QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV Switches QLogic 9000 Switches 9008V Switches
	VTL Plus 1.0	QLogic QLE406xC, Dual Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) QMH4062)	560x Switches 6140 Router QLogic 9000 Switches
	VTL Plus 1.0, 1140, 2540, 3540		QLogic 9000 Switches

Table 2-389. Sun StorageTek Tape Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Operating System	Sun StorageTek Drive Type	QLogic Adapter	QLogic Switch/Router

Source: Sun Microsystems 8/28/07; QLogic 5/16/07, 1/15/08, 5/22/08, 5/23/08, 7/1/08, 7/7/08, 9/10/08, 10/30/08; QLogic 1/27/09

QLogic 4Gb LTO-3 Tape Drive Regression Testing, QLogic Certification Lab. November 2, 2007

QLE4062 SVT Testing Report, QLogic Certification Lab. October 30, 2007

Sun SL3000 Testing Report, QLogic Certification Lab. May 2008

Sun SL3000 8Gb Tape Testing Report, QLogic Certification Lab. June 23, 2008

Sun VTL 2.0 Testing Report, QLogic Certification Lab. May 2008

Sun VTL 2.0 8Gb Testing Report, QLogic Certification Lab. June 23, 2008

SB5802 - QLE256x - SUN SL500 8Gb Test Report, QLogic Certification Lab. August 27, 2008

Additional updates 04/20/09

Table 2-390. Sun StorageTek C2 FC Autoloader Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK) HP A9784A (ISP2312 (ASIC only))	520x 560x 9000
ONTAP		520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000

Table 2-390. Sun StorageTek C2 FC Autoloader Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2642, QLA4010, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344	520x 560x 9000
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2642, QLA4010, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000

Source: Sun Microsystems, 8/24/07

Interoperability Report. Sun StorageTek Library C2 FC, August 19, 2007.

Table 2-391. Sun StorageTek C4 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only))	520x 560x 9000
IRIX	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
NetWare	QLogic QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
ONTAP		520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2642, QLA4010, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000

Table 2-391. Sun StorageTek C4 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
Tru64		520x 560x 9000
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA4010, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000

Source: Sun Microsystems, 8/24/07

Interoperability Report. Sun StorageTek Library C4 FC, August 19, 2007.

Table 2-392. Sun StorageTek L180 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch/Router
AIX		520x Switches 560x Switches QLogic 9000 Switches
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only))	520x Switches 560x Switches QLogic 9000 Switches
IRIX	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344	520x Switches 560x Switches QLogic 9000 Switches
NetWare	QLogic QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x Switches 560x Switches QLogic 9000 Switches

Table 2-392. Sun StorageTek L180 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch/Router
ONTAP		520x Switches 560x Switches QLogic 9000 Switches
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2340L, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA2642, QLA4010, QLE2440, QLE2460, QLE2462, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344	520x Switches 560x Switches QLogic 9000 Switches
Tru64		520x Switches 560x Switches QLogic 9000 Switches

Table 2-392. Sun StorageTek L180 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch/Router
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA4010, QLE2440, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x Switches 560x Switches QLogic 9000 Switches
	QLogic QLE406xC, Dual Port 1Gb iSCSI Expansion Card for HP c-Class Blade-System (HP 488074-B21) (QMH4062)	560x Switches 6140 Router

Source: Sun Microsystems, 8/24/07, 1/15/08; QLogic 7/8/08

Interoperability Report. Sun StorageTek Library L180 FC, August 26, 2007.

Backup Exec SSO Test Procedures, Platforms W2K3 32/64, QLogic Network Certification Lab. November 6, 2007

Additional updates

Table 2-393. Sun StorageTek L700/L1400 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only))	520x 560x 9000
IRIX	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344	520x 560x 9000
NetWare	QLogic QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000

Table 2-393. Sun StorageTek L700/L1400 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
ONTAP		520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA2642, QLA4010, QLE2440, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344	520x 560x 9000
Tru64		520x 560x 9000

Table 2-393. Sun StorageTek L700/L1400 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA4010, QLE2440, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO),	520x 560x 9000

Source: Sun Microsystems, 8/24/07

Interoperability Report. Sun StorageTek Library L700/L1400 FC, August 19, 2007.

Table 2-394. Sun StorageTek SL24 FC Tape Autoloader Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP)	520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2462, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000

Table 2-394. Sun StorageTek SL24 FC Tape Autoloader Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2642, QLA4010, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2462, QLE2462	520x 560x 9000
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 9000

Source: Sun Microsystems, 8/24/07

Interoperability Report. Sun StorageTek Library SL24 FC, August 19, 2007.

Table 2-395. Sun StorageTek SL48 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP)	520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2462, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLA2642, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2462, QLE2462	520x 560x 9000

Table 2-395. Sun StorageTek SL48 FC Tape Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000

Source: Sun Microsystems, 8/24/07

Interoperability Report. Sun StorageTek Library SL48 FC, August 19, 2007.

Table 2-396. Sun StorageTek SL500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP)	520x 560x 9000
IRIX	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
NetWare	QLogic QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
ONTAP		520x 560x 9000 9008V

Table 2-396. Sun StorageTek SL500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Red Hat Enterprise Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA4010, QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572), Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO)	520x 560x 580xV 9000 9008V
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLE2440, QLA2460, QLA2462, QLA2642, QLA4010, QLE2460, QLE2462, QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572), Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SUSE Linux Enterprise Server	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344	520x 560x 9000
Tru64		520x 560x 9000

Table 2-396. Sun StorageTek SL500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA2642, QLA4010, QLE2440, QLE2460, QLE2462, QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572), Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 580xV 9000 9008V

Source: Sun Microsystems 8/24/07, 7/7/08; QLogic 9/10/08, 10/30/08; QLogic 1/27/09

Interoperability Report. Sun StorageTek Library SL500 FC, August 19, 2007

SB5802 - QLE256x - SUN SL500 8Gb Test Report, QLogic Certification Lab. August 27, 2008

Additional updates

Table 2-397. Sun StorageTek SL3000 FC Library Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9782A (ISP2312 (ASIC only)), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP) HP AB379B (QLA2462-HP-SP) HP AD300A (QLE2462-HP-BK)	560x 9000

Table 2-397. Sun StorageTek SL3000 FC Library Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Red Hat Linux	QLogic QLA2300, QLA2340, QLA2342, QLA2344, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE2464, QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572), Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	560x 580xV 9000 9008V
Solaris	QLogic QLA2300, QLA2340, QLA2342, QLA2344, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	560x 9000
Windows	QLogic QLA2340, QLA2342, QLA2344, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462, QLE256x; Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	560x 580xV 9000 9008V

Source: Sun Microsystems 5/22/08; QLogic 5/22/08, 7/1/08, 10/30/08; QLogic 1/27/09

Interoperability Report. Sun StorageTek Library SL3000 FC, May 18, 2008.

Sun SL3000 Testing Report, QLogic Certification Lab. May 2008

Additional updates

Table 2-398. Sun StorageTek SL8500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x 9000
HP-UX	HP A6826A (QLA2342-UX-HP-BK), HP A9784A (ISP2312 (ASIC only)), HP AB378A (ISP2422 (ASIC only)), HP AB379A (QLA2462-HP-SP)	520x 560x 9000
IRIX	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
NetWare	QLogic QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x 9000
ONTAP		520x 560x 9000
Red Hat Enterprise Linux AS/ES	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA4010	520x 560x 9000
Solaris	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA2642, QLA4010, QLE2440, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SuSE Linux	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462	520x 560x 9000
Tru64		520x 560x 9000

Table 2-398. Sun StorageTek SL8500 FC Modular Library System Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Windows	QLogic QLA2300, QLA2300F, QLA2302, QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L, QLA2344, QLA2440, QLA2460, QLA2462, QLA2642, QLA4010, QLE2440, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000

Source: Sun Microsystems, 8/24/07

Interoperability Report. Sun StorageTek Library SL8500 FC, August 19, 2007.

Table 2-399. Sun StorageTek 2540 Disk Array Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
NetWare	QLogic QLA2310F, QLA2340, QLA2342, QLA2462	9000
Red Hat Enterprise Linux	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x

Table 2-399. Sun StorageTek 2540 Disk Array Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Solaris	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x
SuSE Linux Enterprise Server	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
VMware ESX	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x

Table 2-399. Sun StorageTek 2540 Disk Array Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Windows 2003	QLogic QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000

Source: Sun Microsystems, 8/21/07

Interoperability Report. Sun StorageTek Disk 2540, August 19, 2007.

Table 2-400. Sun StorageTek 3510/3511 Disk Array Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Solaris	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x

Source: Sun Microsystems, 8/21/07

Interoperability Report. Sun StorageTek Disk 3510/3511, August 19, 2007.

Table 2-401. Sun StorageTek 3510/3511 Disk Array Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
NetWare 6.0 and 6.5	QLA2310F, QLA2340, QLA2342
Red Hat Linux AS 3.0, Update 3, Kernel 2.4	QLA2310F, QLA2340, QLA2342
SUSE Linux Enterprise Server 8, Update 3, Kernel 2.4	QLA2310F, QLA2340, QLA2342
SUSE Linux Enterprise Server 9 Update 1, Kernel 2.6	QLA2310F, QLA2340, QLA2342
Windows 2000 Server and AS Windows 2003 Server and AS Windows NT	QLA2310F, QLA2340, QLA2342

Table Notes
Sun StorageTek 3510 FC Arrays and StorageTek 3511 FC with SATA Arrays.
For StorageTek 3510, NetWare supports only the QLA2342.

Source: Sun Microsystems, Inc. 5/5/06

Sun StorEdge 3510 FC–What Works With What. Sun Microsystems, 1/12/06

Sun StorEdge 3511 FC with SATA–What Works With What. Sun Microsystems, 11/22/05

Table 2-402. Sun StorageTek 6130 Disk Array Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x
HP-UX	QLogic HP A6826A (QLA2342-UX-HP-BK)	520x 560x
IRIX	QLogic QLA2310, QLA2310F, QLA2340, QLA2342	520x 560x
NetWare	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462	520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)	520x 560x 9000

Table 2-402. Sun StorageTek 6130 Disk Array Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Solaris	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SuSE Linux	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)	520x 560x 9000
VMware ESX	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	
Windows	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO),	520x 560x 9000

Source: Sun Microsystems, 10/21/07

Interoperability Report. Sun StorageTek Disk 6130 EOL, October 21, 2007.

Table 2-403. Sun StorageTek 6140 Disk Array Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x
HP-UX	QLogic HP A6826A (QLA2342-UX-HP-BK)	520x 560x
IRIX	QLogic QLA2310F, QLA2340, QLA2342	520x 560x
NetWare	QLogic QLA2310F, QLA2340, QLA2342	520x 560x 9000
Red Hat Enterprise Linux	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE2FC-QB4-Z (QEM2462)	520x 560x 9000
Solaris	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	520x 560x 9000
SuSE Linux	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE2FC-QB4-Z (QEM2462)	520x 560x 9000

Table 2-403. Sun StorageTek 6140 Disk Array Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
VMware ESX	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	
Windows	QLogic QLA2310F, QLA2340, QLA2342, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO), Sun SG-XPCIE2FC-QB4-Z (QEM2462)	520x 560x 9000

Source: Sun Microsystems, 8/21/07

Interoperability Report. Sun StorageTek Disk 6140, August 19, 2007.

Table 2-404. Sun StorageTek 6920 Disk Array Interoperability with QLogic Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
AIX		520x 560x
HP-UX		520x 560x
NetWare	QLogic QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2340L, QLA2342, QLA2342L	520x 560x
Red Hat Enterprise Linux	QLogic QLA2310, QLA2340, QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	520x 560x

Table 2-404. Sun StorageTek 6920 Disk Array Interoperability with QLogic Adapters and Switches Matrix (Continued)

Operating System	QLogic Adapter	QLogic Switch
Solaris	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	520x 560x
SuSE Linux	QLogic QLA2310, QLA2310F, QLA2340, QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	520x 560x
VMware ESX	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO)	520x 560x
Windows	QLogic QLA2310, QLA2340, QLA2342	520x 560x

Source: Sun Microsystems, 10/21/07

Interoperability Report. Sun StorageTek Disk 61920 EOL, October 21, 2007.

Table 2-405. Sun StorageTek 9900 Disk Array Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
Linux	QLogic QLA2310F, QLA2340, QLA2342, QLA2344
NetWare	QLogic QLA2310, QLA2310F, QLA2340, QLA2342, QLA2344, QLA2440, QLA2460, QLA2462, QLE2440, QLE2460, QLE2462

Table 2-405. Sun StorageTek 9900 Disk Array Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter
Solaris	QLogic QCP2332, QLA2310F, QLA2332, QLA2340, QLA2342, QLA2342L, QLA2344; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO) Sun SG-XPCIE2FC-QB4-Z (QEM2462)
VMware	QLogic QLA2310F, QLA2342
Windows	QLogic QLA2310F, QLA2340, QLA2342, QLA2344

Source: Sun Microsystems 8/23/07

Hitachi Data Systems Direct Connect Solutions for Sun, July 13, 2007

Table 2-406. Sun StorageTek 9910/9960 Interoperability with Adapters Matrix

Operating System	Server	Adapter
IRIX	SGI Origin	QLogic QLA2300F, QLA2310F
NetWare	PC Server (Generic)	QLogic QLA2300F, QLA2310F, QLA2340, QLA2342
Solaris	Fujitsu PRIMEPOWER 250, 450, 650, 850, 900, 1500, 2500	QLogic QLA2340; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Sun 220R/420R, V880, V890/480, V490, Ultra 60, Ultra 80, Netra 1120, Netra 1125, Netra 1400, Netra 1405	QLogic QLA2340, QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), SG-XPCI1FC-QF4, SG-XPCI2FC-QF4
	Sun 250/450, 280R, Netra 20, F15000, F12000, E20000, E25000	QLogic QLA2340; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun 3800, 4800-6800	QLogic QCP2332

Table 2-406. Sun StorageTek 9910/9960 Interoperability with Adapters Matrix (Continued)

Operating System	Server	Adapter
Solaris (Continued)	Sun 3x00-6x00	QLogic QLA2310F; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Sun 4800-6800, V1280, 2900, 4900, 6900	QLogic QCP2332, QLA2300F, QLA2310F, QLA2340, QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun E10000	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun V120, V240/210, V250, V440, SB100, SB150, SB1500, SB2500, V100, Netra 120, Netra 240, Netra 440	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun T2000	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	Sun T1000	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
Solaris (x64)	Sun V20z, V40z, X4100, X4200	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
VMware	PC Server (Generic)	QLogic QLA2310F
Windows	PC Server (Generic)	QLogic QLA2300F, QLA2310F, QLA2340, QLA2342

Source: Sun Microsystems, Inc. 5/16/06
Sun StorEdge SE99x0 What Works With What (WWWW)

Table 2-407. Sun StorageTek 9970/9980 Interoperability with Adapters Matrix

Operating System	Server	Adapter
IRIX	SGI Origin	QLogic QLA2300F, QLA2310F
Linux	PC Server (Generic)	QLogic QLA2340
NetWare	PC Server (Generic)	QLogic QLA2300F, QLA2310F, QLA2340, QLA2342
Solaris	Fujitsu PRIMEPOWER 250, 450, 650, 850, 900, 1500, 2500	QLogic QLA2340; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Sun 220R/420R, 250/450, V880, V890/480, V490, Ultra 60, Ultra 80, Netra 1120, Netra 1125, Netra 1400, Netra 1405	QLogic QLA2340, QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun 280R, Netra 20	QLogic QLA2340; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun 3800, 4800-6800	QLogic QCP2332
	Sun 3x00-6x00	QLogic QLA2310F, QLA2332; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Sun 4800-6800, V1280, 2900, 4900, 6900	QLogic QCP2332, QLA2300F, QLA2310F, QLA2340, QLA2342 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun E10000	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Table 2-407. Sun StorageTek 9970/9980 Interoperability with Adapters Matrix (Continued)

Operating System	Server	Adapter
Solaris (Continued)	Sun F15000, F12000, E20000, E25000	QLogic QLA2310F, QLA2332, QLA2340, QLA2342; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun V120, V240/210, V250, V440, SB100, SB150, SB1500, SB2500, V100, Netra 120, Netra 240, Netra 440	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun T2000	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	Sun T1000	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
Solaris (x64)	Sun V20z, V40z, X4100, X4200	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
VMware	PC Server (Generic)	QLogic QLA2310F
Windows	PC Server (Generic)	QLogic QLA2300F, QLA2310F, QLA2340, QLA2342

Source: Sun Microsystems, Inc. 5/16/06
Sun StorEdge SE99x0 What Works With What (WWWW)

Table 2-408. Sun StorageTek 9990/9985 Interoperability with Adapters Matrix

Operating System	Server	Adapter
HP_UX	HP N-CLASS: N4000, rp74x0, rp54x0	HP A6826A (QLogic QLA2342-UX-HP-BK)
IRIX	SGI Origin	QLogic QLA2300F, QLA2310F
Linux	PC Server (Generic)	QLogic QLA2340, QLA2342, QLA2344
Linux (IA64)	PC Server (Generic)	QLogic QLA2340, QLA2342, QLA2344
NetWare	PC Server (IA64)	QLogic QLA2300F, QLA2310F, QLA2340, QLA2342, QLA2344

Table 2-408. Sun StorageTek 9990/9985 Interoperability with Adapters Matrix (Continued)

Operating System	Server	Adapter
Solaris	Fujitsu PRIMEPOWER 250, 450, 650, 850, 900, 1500, 2500	QLogic QLA2340; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Sun 250/450, 220R/420R, 280R, 4800-6800, 2900, 4900, 6900, V100, V120, V240/210, V250, V1280, SB100, SB150, SB1500, SB2500, Netra 20, Netra 120, Netra 1120, Netra 1125, Netra 1400, Netra 1405, Ultra 60, Ultra 80	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun 3800, 4800-6800	QLogic QCP2332
	Sun E10000	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Sun F15000, F12000, E20000, E25000, V440, V490, V880, V890/480, Netra 440	QLogic QLA2300F, QLA2310F, QLA2340, QLA2342, QLA2344; Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	Sun T2000	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK), Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO), Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO), Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	Sun T1000	Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO), Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
Solaris (x64)	Sun V20z, V40z, X4100, X4200	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
Windows	PC Server (Generic)	QLogic QLA2340, QLA2342, QLA2344
Windows (IA64)	PC Server (IA64)	QLogic QLA2340, QLA2342, QLA2344

Source: Sun Microsystems, Inc. 5/16/06
Sun StorEdge SE99x0 What Works With What (WWWW)

Table 2-409. Sun StorageTek 9990/9985 Disk Array Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic Adapter
Windows 2003 SP1 R2	QLA4010C QLA4050C

Source: Sun Microsystems 9/20/07

Table 2-410. Sun and QLogic Embedded Products Matrix

Sun Microsystems Product	Embedded QLogic Product
StorageTek 9310 Powderhorn	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek 9738	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek 9740	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek BladeStore	ISP2312
StorageTek EchoView	QLA40xx (iSCSI)
StorageTek L20, L40, L80 Tape Libraries	FAS366U
StorageTek L180 Tape Library	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek L700 Tape Library	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek L700e Tape Library	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek L5500 Tape Library	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek L6000 Tape Library	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek StorageNet 6000 Storage Domain Manager (SN6000)	ISP2100, ISP2200, SP2310
StorageTek T9840 Tape Drive	FAS366U (1 per drive)
StorageTek T9840B Tape Drive	ISP2300 or ISP2310 (2 per drive)
StorageTek T9940B Tape Drive	ISP2300 or ISP2310 (2 per drive)
StorageTek TimberLine 9490 Tape Subsystem	FAS366U/ISP2100, ISP2200, ISP2310
StorageTek TimberWolf 9730 Tape Library	FAS366U/ISP2100, ISP2200, ISP2310
StorEdge T3 Array	ISP2100, ISP2200, ISP2300, ISP2310

Source: QLogic Corporation 10/28/02, StorageTek 2/17/03

Symantec

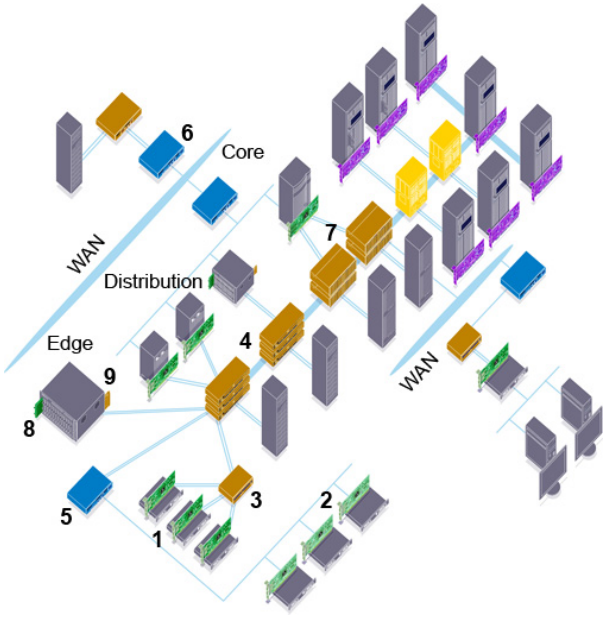
www.veritas.com

Symantec and the QLogic Platform

Symantec products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-411. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-411. Symantec and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Symantec and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Symantec.

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Table 2-412. Symantec Veritas NetBackup 5.1 Shared Storage Option (SSO) Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Operating System	QLogic Fibre Channel Adapter	Tier One Storage	Tier Two Storage	QLogic Switch
Windows 2000 Windows 2003	QLE246x	LSI/Engenio XBB 6998 IBM DS4000	STK L180	560x
		Compellent 1208	IBM LTO-3	
Solaris 9	QLA234x	LSI/Engenio XBB 6998	STK L180	560x
		Compellent 1208	IBM LTO-3	
Red Hat Linux 3.0 AS	QLE246x	LSI/Engenio XBB 6998 IBM DS4000	STK L180	560x
		Compellent 1208	IBM LTO-3	

Source: VERITAS Software 2/14/06

http://www.symantec.com/enterprise/support/index.jsp

Table 2-413. Symantec Veritas NetBackup Enterprise Server and Server 5.x Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
HP-UX 11.11	HP A6826A (QLA2342-UX-HP-BK)
Red Hat Linux AS 2.1	QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Red Hat Enterprise Linux AS 3.0	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2310 QLogic QLA2332 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLE2460
Solaris 2.6, 7.0	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
Solaris 8	QLogic QCP2332 QLogic QCP2340 QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2332 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QSB2340 QLogic QSB2342 Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Table 2-413. Symantec Veritas NetBackup Enterprise Server and Server 5.x Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Solaris 9	QLogic QCP2332 QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QSB2340 QLogic QSB2342 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
Solaris 10	Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
SuSE Linux Enterprise Server 8	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Windows 2000 Server	IBM HS20 FC Extension Option for the IBM eServer Blade-Center QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLE2460
Windows Server 2003 Enterprise Edition	HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2332 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLE2462

Table 2-413. Symantec Veritas NetBackup Enterprise Server and Server 5.x Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Windows NT 4.0 Server	QLogic QLA2300

Source: Symantec 11/30/07

Veritas NetBackup Server / Enterprise Server 5.x Hardware Compatibility List, Document ID 280666, November 8, 2007

Table 2-414. Symantec Veritas NetBackup Enterprise Server and Server 5.x Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic iSCSI Adapter	Interconnect	Library	Drive
Red Hat Linux AS 3.0	QLA4010	ADIC SNC 4501	ADIC Scalar 100	IBM TotalStorage 3580 Ultrium 2
SuSE Linux SLES 8	QLA4010C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
SuSE Linux SLES 9	QLA4010C	ADIC SNC 4501	ADIC Scalar 24	IBM TotalStorage 3580 Ultrium 1
Windows 2000 Server	QLA4010	Cisco Systems SN5428	Sun StorageTek L180	HP StorageWorks Ultrium 460 LTO-2 IBM TotalStorage 3580 Ultrium 2
Windows Server 2003 Enterprise Edition	QLA4010	Spectra Logic E-QIP	Spectra Logic Spectra 2K TreeFrog	AITi130/S (AIT-2) Sony SDX
	QLA4010C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
		ADIC SNC 4501	ADIC Scalar 24	IBM TotalStorage 3580 Ultrium 1

Source: Symantec 11/30/07

Veritas NetBackup Server / Enterprise Server 5.x Hardware Compatibility List, Document ID 280666, November 8, 2007

Table 2-415. Symantec Veritas NetBackup Enterprise Server and Server 5.x Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Source: Symantec 11/30/07

Veritas NetBackup Server / Enterprise Server 5.x Hardware Compatibility List, Document ID 280666, November 8, 2007

Table 2-416. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
HP-UX 11.11, 11.23 PA-RISC	HP A6826A (QLA2342-UX-HP-BK)
Red Hat Linux AS 2.1	QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Red Hat Enterprise Linux AS 3.0	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464
Red Hat Enterprise Linux AS 4.0	QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464

Table 2-416. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Red Hat Enterprise Linux AS 4.0 (IA64)	HP A6826A (QLA2342-UX-HP-BK) QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462
Red Hat Enterprise Linux AS 4.0 (x86-64)	QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLE2462
Solaris 8	QLogic QCP2332 QLogic QCP2340 QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QSB2340 QLogic QSB2342 Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
Solaris 9	QLogic QCP2332 QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QSB2340 QLogic QSB2342 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)

Table 2-416. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Solaris 10	QLogic QCP2340 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464 QLogic QSB2340 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
SuSE Linux Enterprise Server 8	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2462 QLogic QLE2464
SuSE Linux Enterprise Server 9	QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464

Table 2-416. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
SuSE Linux Enterprise Server 9 (IA64)	HP A6826A (QLA2342-UX-HP-BK) QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462
SuSE Linux Enterprise Server 9 (x86-64)	QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2464
Windows 2000 Server	IBM HS20 FC Extension Option for the IBM eServer Blade-Center QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464
Windows Server 2003 Enterprise Edition	HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2300 QLogic QLA2302 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464

Table 2-416. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Windows Server 2003 Enterprise Edition (IA64)	QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2344
Windows Server 2003 Enterprise Edition (x64)	QLogic QLA2460 QLogic QLA2462 QLogic QLE2462 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464

Source: Symantec 11/30/07

Veritas NetBackup Server / Enterprise Server 6.0 Hardware Compatibility List, Document ID 278692, November 8, 2007

Table 2-417. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic iSCSI Adapter	Interconnect	Library	Drive
Red Hat Enterprise Linux AS 3.0	QLA4010	ADIC SNC 4501	ADIC Scalar 100	IBM TotalStorage 3580 Ultrium 2
Red Hat Enterprise Linux AS 4.0	QLA4010	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
		Spectra Logic E-QIP	Spectra Logic Spectra T120 Python iSCSI	IBM TotalStorage 3580 Ultrium 2
Red Hat Enterprise Linux AS 4.0 (x86-64)	QLA4052C	QLogic 6140	StorageTek SL500	HP StorageWorks Ultrium 960 LTO-3
Red Hat Enterprise Linux AS 4.0 (IA64)	QLA4010C	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2/
SuSE Linux Enterprise Server 8	QLA4010C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1

Table 2-417. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic iSCSI Adapters Matrix (Continued)

Operating System	QLogic iSCSI Adapter	Interconnect	Library	Drive
SuSE Linux Enterprise Server 9	QLA4010	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
	QLA4010C	ADIC SNC 4501	ADIC Scalar 24	IBM TotalStorage 3580 Ultrium 1
	QLA4052C	QLogic 6140	Quantum DX100 FC	Quantum DLT 7000
Windows 2000 Server	QLA4010	Cisco Systems SN5428	StorageTek L180	HP StorageWorks Ultrium 460 LTO-2 IBM TotalStorage 3580 Ultrium 2
Windows Server 2003 Enterprise Edition	QLA4010	Spectra Logic E-QIP	Spectra Logic Spectra 2K Tree-Frog/	AITi130/S (AIT-2)/ Sony SDX
	QLA4010	ADIC SNC 4501	ADIC Scalar 24	IBM TotalStorage 3580 Ultrium 1
		Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
	QLA4010C	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
		Spectra Logic E-QIP	Spectra Logic Spectra T120 Python iSCSI	IBM TotalStorage 3580 Ultrium 2
	QLA4050C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
	QLA4052C	QLogic 6140	Quantum DX100 FC	Quantum DLT 7000
Windows Server 2003 Enterprise Edition (x64)	QLA2460	QLogic 6140	StorageTek SL500	HP StorageWorks Ultrium 960 LTO-3
	QLE2462	QLogic 6140	StorageTek SL500	HP StorageWorks Ultrium 960 LTO-3

Source: Symantec 2/7/07

NetBackup Enterprise Server and Server 6 Hardware Compatibility Lists, Document ID 278692, February 6, 2007

Table 2-418. Symantec Veritas NetBackup Enterprise Server and Server 6.0 Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switch 520x Switches 560x Switches 6140 Router 6142 Router QLogic 9000 Switches

Source: Symantec 11/30/07

Veritas NetBackup Server / Enterprise Server 6.0 Hardware Compatibility List, Document ID 278692, November 8, 2007

Table 2-419. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic Fibre Channel Adapters Matrix

	Operating System	QLogic Fibre Channel Adapter
File Transport Media Server Adapters [a]	Red Hat Enterprise Linux AS 4.0 Red Hat Enterprise Linux ES 4.0	Dell Dual Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462 Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	Solaris SPARC 9, 10	QLogic QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462; Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)
	SuSE SLES 9	Dual Port 4Gb Fibre Channel Adapter for Dell PowerEdge M600 and M605 Blade Servers (Dell 0DR213) (QME2472) HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLogic QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462 Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-419. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

	Operating System	QLogic Fibre Channel Adapter
NetBackup Shared Storage Option (SSO) Adapters [b]	HP-UX 11.11	HP A6826A (QLA2342-UX-HP-BK) HP AB379A (QLA2462-HP-SP)
	HP-UX 11.23 IA64	HP AB379A (QLA2462-HP-SP)
	HP-UX 11.23 PA-RISC	HP A6826A (QLA2342-UX-HP-BK) HP A9784A (ISP2312 (ASIC only)) HP AB378B (ISP2422 (ASIC only)) HP AB379A (QLA2462-HP-SP)
	HP-UX 11.31 IA64	QLogic QLA2340

Table 2-419. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

	Operating System	QLogic Fibre Channel Adapter
NetBackup Shared Storage Option (SSO) Adapters (Continued)	Red Hat Advanced Server 2.1	QLogic QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QLA2344
	Red Hat Enterprise Linux AS 3.0 Red Hat Enterprise Linux ES 3.0	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (321835-B21) (QLA2342-WLX-HP-SP) QLogic QLA2300, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464
	Red Hat Enterprise Linux 4.0 x86 Red Hat Enterprise Linux 4.0 x86-64 Red Hat Enterprise Linux AS 4.0 Red Hat Enterprise Linux ES 4.0	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572) HP AB379A (QLA2462-HP-SP) HP FCA2214 FC (281541-B21) (QLA2340-WLX-HP-SP) HP FCA2214DC FC (321835-B21) (QLA2342-WLX-HP-SP) QLogic QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464, QLE256x
	Red Hat Enterprise Linux AS 4.0 (IA64)	HP A6826A (QLA2342-UX-HP-BK) QLogic QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462
	Red Hat Enterprise Linux 5.0 (Base)	QLogic QLA2340, QLE2462
	Red Hat Enterprise Linux 5.0 (Base) (x86-64) Red Hat Enterprise Linux 5.0 (Advanced) (x86-64)	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572) QLogic QLE256x
	Solaris SPARC 8.0	QLogic QCP2332, QCP2340, QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QLA2344, QSB2340, QSB2342 Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Solaris SPARC 9.0	QLogic QCP2332, QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QLA2344, QSB2340, QSB2342 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)
	Solaris SPARC 10	QLogic QCP2340, QLA2300, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464, QSB2340 Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI1FC-QL2 (QLA2340-SUN-XO) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Sun SG-XPCI1FC-QF4 (QLA2460-SUN-XO) Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO) Sun SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) Sun SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)

Table 2-419. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

	Operating System	QLogic Fibre Channel Adapter
NetBackup Shared Storage Option (SSO) Adapters (Continued)	Solaris x64 10	QLogic QLA2340, QLA2462 Sun SG-XPCI2FC-QF4 (QLA2462-SUN-XO)
	SuSE Linux Enterprise Server 8 x64 SuSE Linux Enterprise Server 8 x64-64	HP A6826A (QLA2342-UX-HP-BK) HP FCA2214DC FC (321835-B21) (QLA2342-WLX-HP-SP) QLogic QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2462, QLE2464
	SuSE Linux Enterprise Server 9 x64 SuSE Linux Enterprise Server 9 x64-64	HP AB379A (QLA2462-HP-SP) QLogic QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464
	SuSE Linux Enterprise Server 9 (IA64)	HP A6826A (QLA2342-UX-HP-BK) QLogic QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462
	SuSE Linux Enterprise Server 10 x64 SuSE Linux Enterprise Server 10 x64-64	HP AB379A (QLA2462-HP-SP) QLogic QLA2340, QLA2462, QLE256x
	SuSE Linux Enterprise Server 10 (IA64)	QLogic QLA2340
	Windows 2000 Server	QLogic QLA2300, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLE2460, QLE2462, QLE2464
	Windows Server 2003 Enterprise Edition	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572) HP FC1242SR (AE312A) (QLE2462-HP-SP) HP FCA2214DC FC (321835-B21) (QLA2342-WLX-HP-SP) QLogic QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464, QLE256x
	Windows Server 2003 Enterprise Edition (x64)	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572) QLogic QLA2310, QLA2340, QLA2460, QLA2462, QLE2460, QLE2462, QLE2464, QLE256x
	Windows Server 2003 Enterprise Edition (IA64)	QLogic QLA2310, QLA2340, QLA2342, QLA2344
	Windows Server 2008 Enterprise Edition (x64)	QLogic QLE2462

Table Notes

[a] The listed Fibre Channel Adapters have been tested and are supported with the NetBackup Fibre Transport (FT) feature in a Fibre Transport Media Server.

[b]The NetBackup Shared Storage Option (SSO) hardware support model for Storage Area Network (SAN) components is an open model that supports the listed Adapters.

Source: Symantec 12/4/08; QLogic 1/27/09

Veritas NetBackup Enterprise Server and Server 6.5 Hardware Compatibility List, Document ID 284599, December 3, 2008

Updated 6/17/09.

Table 2-420. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic iSCSI Adapters Matrix

Operating System	QLogic iSCSI Adapter	Interconnect	Library	Drive
Red Hat Enterprise Linux AS 3.0	QLA4010	ADIC SNC 4501	ADIC Scalar 100	IBM TotalStorage 3580 Ultrium 2
Red Hat Enterprise Linux AS 4.0	QLA4010	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
		Spectra Logic E-QIP	Spectra Logic Spectra T120 Python iSCSI	IBM TotalStorage 3580 Ultrium 2
	QLA4010C	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
	QLA4052C	QLogic 6140	Sun StorageTek SL500	HP StorageWorks Ultrium 960 LTO-3
Red Hat Enterprise Linux AS 4.0 (IA64)	QLA4010	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
SuSE Linux Enterprise Server 8	QLA4010C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
SuSE Linux Enterprise Server 9	QLA4010	Overland Storage Direct iSCSI Device	Overland Storage REO 1000	HP StorageWorks Ultrium 430 LTO-2
	QLA4010C	ADIC SNC 4501	ADIC Scalar 24	IBM TotalStorage 3580 Ultrium 1
	QLA4052C	QLogic 6140	Quantum DX100 FC	Quantum DLT 7000
Windows 2000 Server	QLA4010	Cisco Systems SN5428	StorageTek L180	HP StorageWorks Ultrium 460 LTO-2 IBM TotalStorage 3580 Ultrium 2

Table 2-420. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic iSCSI Adapters Matrix (Continued)

Operating System	QLogic iSCSI Adapter	Interconnect	Library	Drive
Windows Server 2003 Enterprise Edition	QLA4010	ADIC SNC 4501	ADIC Scalar 24	IBM TotalStorage 3580 Ultrium 1
		Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
		Spectra Logic E-QIP	Spectra Logic Spectra 2K Tree-Frog	AITi130/S (AIT-2) Sony SDX
	QLA4010C	Overland Storage Direct iSCSI Device	Overland Storage REO 1000/ 0425	HP StorageWorks Ultrium 430 LTO-2/ F45H
		Spectra Logic E-QIP	Spectra Logic Spectra T120 Python iSCSI	IBM TotalStorage 3580 Ultrium 2
	QLA4050C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
	QLA4052C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
	QLA4052C	QLogic 6140	Quantum DX100 FC	Quantum DLT 7000
Windows Server 2003 Enterprise Edition (x64)	QLE246x	QLogic 6140	StorageTek SL500	HP StorageWorks Ultrium 960 LTO-3

Source: Symantec 12/4/08

Veritas NetBackup Enterprise Server and Server 6.5 Hardware Compatibility List, Document ID 284599, December 3, 2008

Table 2-421. Symantec Veritas NetBackup Enterprise Server and Server 6.5 Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switch 520x Switches 560x Switches 3810 Switches 580xV Switches 6140 Router 6142 Router QLogic 9000 Switches 9008V Switches

Source: Symantec 12/4/08

Veritas NetBackup Enterprise Server and Server 6.5 Hardware Compatibility List, Document ID 284599, December 3, 2008

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
EMC	CLARiiON CX Series Arrays (CX200, CX400, CX600)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
EMC	CLARiiON CX Series Arrays (CX200, CX400, CX600)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	,
EMC	CLARiiON CX Series Arrays (CX200, CX400, CX600)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3900	,
EMC	CLARiiON CX Series Arrays (CX200, CX400, CX600)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000	,
EMC	CLARiiON CX Series Arrays (CX200, CX400, CX600)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232	,
EMC	CLARiiON CX Series Arrays (CX200, CX400, CX600)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064	,

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
EMC	EMC Symmetrix 3000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
EMC	EMC Symmetrix 3000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	McDATA	ED-6064	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	McDATA	ED-5000	
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Connec-trix	ED-64M	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Connec-trix	ED-1032	, -
Hitachi	Hitachi 9200 Freedom Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
Hitachi	Hitachi 9200 Freedom Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	, ,

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3900	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064	, ,
Hitachi	Hitachi 9900 Lightning Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
Hitachi	Hitachi 9900 Lightning Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	,
Hitachi	Hitachi 9900 Lightning Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000	,
Hitachi	Hitachi 9900 Lightning Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232	,
Hitachi	Hitachi 9900 Lightning Series	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064	,

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
Hitachi	Hitachi Freedom Storage 5800	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
Hitachi	Hitachi Freedom Storage 5800	A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	
Hitachi	Hitachi Freedom Storage 7700E	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
Hitachi	Hitachi Freedom Storage 7700E	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	
HP	HP SureStore E Disk Array XP128/XP1024	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
HP	HP SureStore E Disk Array XP128/XP1024	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	
HP	HP SureStore E Disk Array XP128/XP1024	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3900	
HP	HP SureStore E Disk Array XP128/XP1024	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000	
HP	HP SureStore E Disk Array XP128/XP1024	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232	
HP	HP SureStore E Disk Array XP128/XP1024	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064	
HP	HP SureStore E Disk Array XP256/XP512	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
HP	HP SureStore E Disk Array XP256/XP512	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	
IBM	IBM ESS Models E10/E20/F10/F20 (Shark)	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
IBM	IBM ESS Models E10/E20/F10/F20 (Shark)	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	
IBM	IBM TotalStorage ESS800	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
IBM	IBM TotalStorage ESS800	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	
IBM	IBM TotalStorage ESS800	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3900	
IBM	IBM TotalStorage ESS800	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000	
IBM	IBM TotalStorage ESS800	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4500	
IBM	IBM TotalStorage ESS800	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	
IBM	IBM TotalStorage FAStT200, FAStT500, DS4300 (FAStT600), DS4400 (FAStT700), DS4500 (FAStT900)	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
IBM	IIBM TotalStorage FAStT200, FAStT500, DS4300 (FAStT600), DS4400 (FAStT700), DS4500 (FAStT900)	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	, ,
JMR	JMR JBOD	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 2800, 2400, 2050	
JMR	JMR JBOD	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 3800	
LSI/ Engenio	LSI E2400/LSI E4400/ LSI E4600 (Engenio 4884)/ LSI E5600 (Engenio 5884)	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
LSI/ Engenio	LSI E2400/LSI E4400/ LSI E4600 (Engenio 4884)/ LSI E5600 (Engenio 5884)	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	,
NEC	NEC iStorage 1000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
NEC	NEC iStorage 1000 Series	A/A & A/P	QLogic	QLA2300, QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3800	,
Network Appliance	NetApp FAS920	A/A & A/P	QLogic	QLA234x	QLogic	560x, 520x	
StorageTek	StorageTek OPEN-stor-age D173/D176/D178/D280	A/A & A/P	QLogic	QLA2300, QLA2302, QLA2310	Brocade	SilkWorm 2800, 2400, 2050	,
StorageTek	StorageTek OPEN-stor-age D173/D176/D178/D280	A/A & A/P	QLogic	QLA2300, QLA2302, QLA2310	Brocade	SilkWorm 3800	,
StorageTek	StorageTek 9500	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 2800, 2400, 2050	

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note

QLogic Adapter Setting Notes: Using QLogic Adapters with VCS or MSCS Clustering

When using QLogic QLA2300 series adapters with VCS or MSCS clustering, certain settings on the adapter are required. Do the following to change the adapter settings:

1. Press Alt+Q to display the FAST!Util command panel.
2. From the Advanced Adapter Settings menu, press the down arrow to highlight LUNs per target and then press Enter.

   The Enable LIP Reset, Enable Lip Full Logon, and Enable Target Reset parameters control the adapter when Windows 2000 attempts a SCSI bus reset. You must perform a target reset to make cluster failovers work. Use a SCSI bus device reset to clear SCSI reservations. The SAN data gateway does not support LIP reset, and full login is not necessary after the target reset.

   Set the parameter values as follows:

   a. Enable Lip Reset: No
   b. Enable Lip Full Login: No
   c. Enable Target Reset: Yes
   d. Extended Error Logging: Disabled (might be enabled for debugging)
3. Press Esc to return to the Configuration Settings menu.
4. From the Configuration Settings menu, scroll down to the Extended Firmware Settings menu. Press Enter.
5. From the Extended Firmware Settings menu, scroll down to **Connection Options** to open the window for Option and Type of Connection.
6. Select the option. For QLA2300 series adapters, you must use point-to-point.

   0 : Loop only
   1 : Point-to-point
   2 : Loop preferred (if you cannot use arbitrated loop, then default to point-to-point)
   3 : Point-to-point, otherwise loop (if you cannot use point-to-point, default to arbitrated loop).
7. Press Esc.
8. Save the changes. Select **Yes**.
9. Restart the server.

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note

QLogic Adapter Setting Notes: Using QLogic Adapters with IBM Shark Arrays

Registry changes are as follows:

A. Disk I/O timeout 240; Win2kAS defaults at 60

HKEY_LOCAL_MACHINE/SYSTEM/CurrentControlSet/Services/Disk/TimeOutValue

B. MSCS 1; Win2kAS default to 2

HKEY_LOCAL_MACHINE/SYSTEM/CurrentControlSet/Services/QL2200/Parameters/Device/DriverParameters; MSCS=n, where n is defined below

MSCS definition:

In a SAN configuration, a driver is required to handle RSCN efficiently to avoid disruption of I/O resulting from unnecessary re-logins. However, in a Microsoft Cluster environment, the driver must perform re-logins because the shared storage subsystems can be reset by other initiators through a ResetBus operation. The driver parameter MSCS is designed to accommodate the conflicting needs in handling RSCN in both environments. It accepts three values:

Value	Environment	RSCN Handling
0	SAN	Upon receiving RSCN, performs logins to devices only if necessary.
1	Cluster	Upon receiving RSCN, always performs logins.
2	SAN/Cluster	Upon receiving RSCN, attempts to detect whether the system is running in the Cluster environment during boot. If yes, always performs logins upon receiving RSCN. If not, performs logins only if nec-

Table 2-422. Windows 2000 SAN Solutions for Symantec Veritas Volume Manager, Cluster Server, and Dynamic Multi-Pathing Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Model	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note

Table Notes

DMP Modes are A/A = Active/Active and A/P = Active/Passive.

EMC Symmetrix 8000 Series arrays include the 8230, 8430, 8530, 8730, and 8830 arrays. EMC Symmetrix 3000 Series arrays include the 3330, 3430, 3630, 3700, 3830, and 3930 arrays.

Hitachi Freedom Storage 5800 array support also applies to the Hitachi DF400 array sold in Japan.

Hitachi Freedom Storage 7700E array support also applies to the Hitachi RAID300 array sold in Japan.

Hitachi 9900 Lightning Series array support also applies to the Hitachi SANRISE 2000 Series (SANRISE 2200 and SANRISE 2800), Nihon Unisys SANArena 2000 Series (SanArena 2200 and 2800), and Sun StorEdge 9900 Series (StorEdge SE9910 and SE9960) arrays. Hitachi 9900V Lightning Series array (9979V and 9980V) support also applies to the Hitachi SANRISE9900V Series (SANRISE9970V and SANRISE9980V) and Sun StorEdge SE9900V series (StorEdge SE9970V and SE9980V).

Array detected and supported as JBOD. There is no specific array support module for this array.

Support provided in Volume Manager 3.0 for Windows 2000 Service Pack 1 (VM530SP1).

Report Inquiry Page 83H must be enabled in the Hitachi 9200 arrays.

The QLogic SAN Connectivity Kit 1000 includes a QLogic -8 Fibre Channel switch coupled with four QLogic Fibre Channel Adapters (QLA2200F) and all necessary accessories, including cables, GBICs, and management software.

The QLogic SAN Connectivity Kit 2000 includes a QLogic 2-8 Fibre Channel switch coupled with four QLogic Fibre Channel Adapters (QLA2310F) and all necessary accessories, including cables, GBICs, and management software.

Unused at this time.

IMPORTANT: These arrays require additional configuration steps in order to work properly with VERITAS Volume Manager. Before attempting to use any of these arrays with VERITAS Volume Manager's DMP software, please contact the array hardware manufacturer for additional configuration instructions and updates. Several special settings must be enabled on these arrays to allow compatibility with DMP, including Auto Volume Transfer (AVT), also referred to as Auto Logical Drive Transfer (ADT). Specific firmware levels from the manufacturer for these arrays may also be required.

Also tested with Powerpath 2.1 and Powerpath 3.0 with EMC Symmetrix 8000 and 3000 Series arrays.

Array support requires Volume Manager 3.1 for Windows 2000 with Hotfix01 and Device Driver Install Package available at the VERITAS Technical Support website.

NEC iStorage S1000 Series arrays include S100, S1100, S1200, and S1300 arrays.

Hitachi 9200 Thunder array support also applies to the Hitachi SANRISE1000 Series (SANRISE1100 and SANRISE1200) and the Nihon Unisys SANArena 1000 Series (SANArena 1100 and 1200).

Hitachi 9400V Thunder Series array (9530V and 9570V) support also applies to the Hitachi SANRISE 9500V Series (SANRISE 9530V and 9570V) and the Nihon Unisys SANArena 1500 Series (SANArena 1530 and 1570).

IBM Adapter cross-reference: IBM 2102 Netfinity FAStT RAID adapter, part number N6881 = QLogic QLA2200. IBM 2103 TotalStorage FAStT FC-2 host bus adapter, part number 19K1246=QLogic QLA2310. IBM DS4000 host bus adapter (IBM 2104 TotalStorage FAStT FC-2 133 host bus adapter), part number 24P0960=QLogic QLA2312.

During a Hitachi online format of new LUNs, certain SCSI commands are disabled, which may temporarily suspend data access. Contact Hitachi for a list of these commands.

Source: VERITAS Software 6/21/05
Hardware Compatibility List for VERITAS Storage Solution Products on Windows, Release Revision 1.5, 14 May 2003

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	**Array Mode**	**DMP Mode [a]**	**Vendor**	**Model**	**Vendor**	**Model**	**See Note**
Cisco	VSFN 1.0	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
Cisco	VSFN 1.0	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	
Cisco	VSFN 1.0	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3900	
Cisco	VSFN 1.0	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	
Cisco	VSFN 1.0	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4300, 4500	
EMC	CLARiiON CX Series Arrays	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, ,
EMC	CLARiiON CX Series Arrays	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
EMC	CLARiiON CX Series Arrays	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, ,
EMC	CLARiiON CX Series Arrays	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	, ,
EMC	CLARiiON CX Series Arrays	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4300, 4500	, ,
EMC	EMC Symmetrix 3000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	,
EMC	EMC Symmetrix 3000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400. 2050	,

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Informati on	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
EMC	EMC Symmetrix 3000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400. 2050	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Con-nec-trix	ED-1032	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Con-nec-trix	ED-64M	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	ED-5000	,
EMC	EMC Symmetrix 8000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	ED-6064	,
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400. 2050	, ,
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, ,
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, ,
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Con-nec-trix	ED-1032	,

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Connec-trix	ED-64M	,
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	ED-5000	,
EMC	EMC Symmetrix DMX Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	ED-6064	,
Hitachi	Hitachi 9200 Freedom Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
Hitachi	Hitachi 9200 Freedom Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, ,
Hitachi	Hitachi 9200 Freedom Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3900	, ,
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	, ,

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
Hitachi	Hitachi 9500V Thunder Series	A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4300, 4500	, ,
Hitachi	Hitachi 9900 Lightning Series (9900 & 9900V)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, ,
Hitachi	Hitachi 9900 Lightning Series (9900 & 9900V)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
Hitachi	Hitachi 9900 Lightning Series (9900 & 9900V)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, ,
Hitachi	Hitachi 9900 Lightning Series (9900 & 9900V)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	, ,
Hitachi	Hitachi 9900 Lightning Series (9900 & 9900V)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4300, 4500	, ,
Hitachi	Hitachi Freedom Storage 5800	A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 2800, 2400, 2050	
Hitachi	Hitachi Freedom Storage 5800	A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 12000, 3900	
Hitachi	Hitachi Freedom Storage 5800	A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 3200, 3800	
Hitachi	Hitachi Freedom Storage 7700E	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 2800, 2400, 2050	
Hitachi	Hitachi Freedom Storage 7700E	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 12000, 3900	
Hitachi	Hitachi Freedom Storage 7700E	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 3200, 3800	
HP	HP SureStore E Disk Array XP128/XP1024	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	
HP	HP SureStore E Disk Array XP128/XP1024	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
HP	HP SureStore E Disk Array XP128/XP1024	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	
HP	HP SureStore E Disk Array XP128/XP1024	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	
HP	HP SureStore E Disk Array XP128/XP1024	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4300, 4500	
HP	HP SureStore E Disk Array XP256/XP512	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	
HP	HP SureStore E Disk Array XP256/XP512	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
HP	HP SureStore E Disk Array XP256/XP512	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	
IBM	IBM ESS Models E10/E20/F10/F20 (Shark)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	
IBM	IBM ESS Models E10/E20/F10/F20 (Shark)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	
IBM	IBM ESS Models E10/E20/F10/F20 (Shark)	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	
IBM	IBM TotalStorage ESS800	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, ,
IBM	IBM TotalStorage ESS800	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, ,
IBM	IBM TotalStorage ESS800	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, ,

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
IBM	IBM TotalStorage ESS800	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Intrepid 6064, 6140	, ,
IBM	IBM TotalStorage ESS800	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	McDATA	Sphereon 3216, 3232, 4300,4500, 4300	, ,
IBM	IBM TotalStorage DS4000 Series (formerly FAStT)	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	, , , ,
IBM	IBM TotalStorage DS4000 Series (formerly FAStT)	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	, , , ,
IBM	IBM TotalStorage DS4000 Series (formerly FAStT)	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	, , , ,
JMR	JMR JBOD	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 2800, 2400, 2050	
JMR	JMR JBOD	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 3200, 3800	
LSI/ Engenio	LSI E2400/E2600/E4400/ E4600/E5600	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	,
LSI/ Engenio	LSI E2400/E2600/E4400/ E4600/E5600	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
LSI/ Engenio	LSI E2400/E2600/E4400/ E4600/E5600	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	,
NEC	NEC iStorage 1000 Series & 2000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	,
NEC	NEC iStorage 1000 Series & 2000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
NEC	NEC iStorage 1000 Series & 2000 Series	A/A & A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	,

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
Storag-eTek	StorageTek 9500	A/A & A/P	QLogic	QLA2300, QLA2302	Brocade	SilkWorm 2800, 2400, 2050	
Storag-eTek	STK OPENstorage D173/D176/D178/D220/ D240/D280, B22, B28	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 12000, 3900	,
Storag-eTek	STK OPENstorage D173/D176/D178/D220/ D240/D280, B22, B28	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 2800, 2400, 2050	,
Storag-eTek	STK OPENstorage D173/D176/D178/D220/ D240/D280, B22, B28	A/P	QLogic	QLA231x, QLA2340, QLA2342	Brocade	SilkWorm 3200, 3800	,

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note

All hardware configurations listed have been qualified with the following products: VERITAS Volume Manager 3.1 for Windows, VERITAS Cluster Server 2.0 for Windows 2000, VERITAS FlashSnap 3.1 for Windows 2000, VERITAS Volume Replicator 3.1 for Windows 2000, VERITAS Edition 1.1 for Microsoft Exchange 2000, and VERITAS Database Edition 1.1 for Microsoft SQL Server.

Table Notes

DMP Modes are A/A = Active/Active and A/P = Active/Passive.

EMC Symmetrix 8000 series arrays include the 8230, 8430, 8530, 8730 and 8830 arrays. EMC Symmetrix 3000 series arrays include the 3330, 3430, 3630, 3700, 3830 and 3930 arrays. EMC DMX series arrays include the DMX800, DMX1000, DMX2000 and DMX3000 arrays.

EMC Symmetrix 3000, 8000 and DMX series arrays are supported with Emulex Full Port Drivers Only, mini-port drivers are *not* supported.

IBM RDAC is also supported with these arrays.

Hitachi Freedom Storage 5800 array support also applies to the Hitachi DF400 array sold in Japan.

Hitachi Freedom Storage 7700E array support also applies to the Hitachi RAID300 array sold in Japan.

Hitachi 9900 Lightning series array (9910 and 9960) support also applies to the Hitachi SANRISE2000 series (SANRISE2200 and SANRISE2800), the Nihon Unisys SANArena 2000 series (SANArena 2200 and 2800), and the SUN StorEdge SE9900 series (StorEdge SE9910 and SE9960) arrays. Hitachi 9900V Lightening series array (9970V and 9980V) support also applies to the Hitachi SANRISE9900V series (SANRISE9970V and SANRISE9980V), SUN StorEdge SE9900V series (StorEdge SE9970V and SE9980V).

Array detected and supported as JBOD. There is no specific array support module for this array.

Support provided in VM 3.0 for Windows 2000 Service Pack 1 (VM530SP1) or greater.

Report Inquiry Page 83H must be enabled in the Hitachi 9200 Arrays.

IBM TotalStorage Series arrays supported include the DS4100 (formerly FAStT100), DS4300 (formerly FAStT600), DS4400 (formerly FAStT700), DS4500 (formerly FAStT900) and the FAStT200/FAStT500 array models.

IMPORTANT: These arrays require additional configuration steps in order to work properly with VERITAS Volume Manager. Before attempting to use any of these arrays with VERITAS Volume Manager's DMP software, please contact the array hardware manufacturer for additional configuration instructions and updates. Several special settings must be enabled on these arrays to allow compatibility with DMP, including Auto Volume Transfer (AVT), also referred to as Auto Logical Drive Transfer (ADT). Specific firmware levels from the manufacturer for these arrays may also be required.

Also tested with Powerpath 2.1 and Powerpath 3.0 with EMC DMX series, EMC Symmetrix 8000, Symmetrix 3000 series, and CLARiiON CX series arrays.

Array support requires Volume Manager 3.1 for Windows 2000 with Hotfix01 and Device Driver Install Package available on VERITAS Technical Support Website or VM 3.1 with Service Pack 1 when released.

NEC iStorage S1000 series arrays include S100, S1100, S1200, and S1300 arrays. NEC iStorage S2000 series arrays include S2100, S2200, S2300, and S2800 arrays.

Hitachi 9200 Thunder array support also applies to the Hitachi SANRISE1000 series (SANRISE1100 and SANRISE1200) and the Nihon Unisys SANArena 1000 series (SANArena 1100 and 1200).

Hitachi 9500V Thunder series array (9530V, 9531V, 9532V, 9533V and 9570V) support also applies to the Hitachi SANRISE 9500V series (SANRISE 9530V and 9570V), and the Nihon Unisys SANArena 1500 series (SANArena 1530 and 1570).

Table 2-423. Symantec Veritas Storage Solution Products Revision 1.18 for Windows Matrix (Continued)

Array Information		Interface Information	QLogic Adapter Information		FC Switch Information		
Vendor	Array Mode	DMP Mode [a]	Vendor	Model	Vendor	Model	See Note
IBM Adapter Cross-Reference: IBM 2103 TotalStorage FAStT FC-2 Host Bus Adapter, Part Number 19K1246 = QLogic QLA2310. IBM 2104 TotalStorage FAStT FC-2 133 Host Bus Adapter, Part Number 24P0960 = QLogic QLA2312. During a Hitachi online format of new LUNS, certain SCSI commands are disabled which may temporarily suspend data access. Contact Hitachi for a list of these commands. For adapter setting and configuration information for use with the IBM ESS800 arrays please refer to VERITAS TechNote 261637 at http://support.veritas.com/docs/261637. Array Support requires Volume Manager 3.1 for Windows 2000 with Service Pack 1. Also tested IBM Subsystem Device Driver (SDD) with IBM ESS800 Arrays EMC CLARiiON CX Series arrays supported include the CX200, CX300, CX400, CX500, CX600 and CX700. VERITAS DMP supports only EMC and Dell Failover Mode 1. Hitachi HDLM 5.4 also supported with the Hitachi Lightening 9900 series (9900/9900V).							

Source: VERITAS Software 10/17/05
Hardware Compatibility List for VERITAS Storage Solution Products on Windows, Release Revision 1.8, Document ID 252733, November 18, 2004

Table 2-424. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 MP1 for HP-UX, Linux, and Solaris Interoperability with QLogic Adapters Matrix

Operating System	Vendor	QLogic Fibre Channel Adapter	Symantec/VERITAS Support					
			Storage Foundation	Storage Foundation for Oracle	Veritas Cluster Server	Storage Foundation High Availability	Storage Foundation for Oracle RAC	Storage Foundation Management Server
HP-UX	HP	A6826A (QLA2342-UX-HP-BK), A9782A (ISP2312 (ASIC only)) A9784A (ISP2312 (ASIC only))	X	X	X	X	X	X
Red Hat Linux	QLogic	QLA23xx, QLA24xx, QLE24xx	X	X	X	X	X	X
Solaris	QLogic	QLA23xx, QLA24xx, QLE24xx	X	X	X	X	X	X
	Sun	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) SG-XPCI1FC-QF4 (QLA2460-SUN-XO)	X	X	X	X	X	X
		SG-XPCI1FC-QL2 (QLA2340-SUN-XO) SG-XPCI2FC-QF4 (QLA2462-SUN-XO)	X	X	X	X	X	
SuSE Linux	HP	FCA2214 FC (QLA2340-WLX-HP-SP)	X	X	X	X	X	X
	QLogic	QLA23xx, QLA24xx, QLE24xx	X	X	X	X	X	X

Source: Symantec/VERITAS 4/18/07

Veritas Storage Foundation and High Availability Solutions 5.0 MP1 Hardware Compatibility List, Document ID 28316, March 9, 2007

Table 2-425. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 MP1for AIX, HP-UX, Linux, and Solaris Interoperability with QLogic Switches Matrix

QLogic Switch	Symantec/VERITAS Support					
	Storage Foundation	Storage Foundation for Oracle	Veritas Cluster Server	Storage Foundation High Availability	Storage Foundation for Oracle RAC	Storage Foundation Management Server
520x, 560x, 9000	X	X	X	X	X	

Source: Symantec/VERITAS 4/18/07

Veritas Storage Foundation and High Availability Solutions 5.0 MP1 Hardware Compatibility List, Document ID 283161, March 9, 2007

Table 2-426. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 for AIX, HP-UX, Linux, and Solaris Interoperability with QLogic Switches and Routers Matrix

Operating System	QLogic Switch/Router	Symantec/VERITAS Support					
		Storage Foundation	Storage Foundation for Oracle	Veritas Cluster Server	Storage Foundation High Availability	Storage Foundation for Oracle RAC	Storage Foundation Management Server
AIX	520x Switches, 560x Switches	X	X	X	X	X	X
Red Hat Linux	520x Switches	X	X	X	X	X	X
Solaris	520x Switches, 560x Switches	X	X	X	X	X	X
SuSE Linux	520x Switches	X	X	X	X	X	X
	6140 Router, 6142 Router	X					

Source: Symantec/VERITAS 7/10/06, 1/16/08

Veritas Storage Foundation and High Availability Solutions 5.0 Hardware Compatibility List, June 15, 2006; updates

Table 2-427. Symantec Veritas Storage Foundation and High Availability Solutions 4.1 MP2 for HP-UX Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec Support					
			Veritas Volume Manager	Dynamic Multipathing feature of Veritas Volume Manager	SAN Boot	Veritas Cluster Server	Map database tables, VxFS/CFS files, and VxVM/CVM volumes to specific physical disks	Veritas Storage Foundation for Oracle RAC
Adapters	HP	A6826A (QLA2342-UX-HP-BK) A9782A (ISP2312 (ASIC only)) A9784A (ISP2312 (ASIC only)) AB378B (ISP2422 (ASIC only)) AB379B (QLA2462-HP-SP)	X	X	X	X	X	X
Switches	QLogic	560x	X	X	X	X	X	X

Table Notes
Operating System: HP-UX 11i v2 (PA-RISC and Itanium)

Source: Symantec 11/30/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and High Availability Solutions 4.1 MP2 for HP-UX 11i v2 (PA-RISC and Itanium), Document ID 277390, October 26, 2007.

Table 2-428. Symantec Veritas Storage Foundation and High Availability Solutions 4.3 for Windows Interoperability with QLogic Adapters Matrix

Vendor	QLogic Fibre Channel Adapter	Symantec Support					
		FC Port Drivers	SCSI Miniport	STORport Miniport	iSCSI Support	64-Bit Support	MPIO Support
QLogic	QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2342, QLA2344, QLA2340L, QLA2342L		X	X		X	X
	QLA4010				X		
HP	BL20P G3 FC Mezzanine Card (ISP2312) BL20p G2 Fibre Channel Mezzanine Adapter, BL20p G3 Fibre Channel Mezzanine Adapter, BL30p/BL35p Fibre Channel Mezzanine Adapter BL25p/BL45p Fibre Channel Adapter FCA2214 FC (QLA2340-WLX-HP-S) FCA2214DC FC (QLA2342-WLX-HP-S)		X	X		X	X
IBM	IBM BladeCenter HS20/LS20 FC Extension Option IBM BladeCenter HS40 FC Extension Option		X				

Table Notes

The Veritas Storage Foundations and High Availability Solutions for Windows Hardware Compatibility List (HCL) applies to Fibre Channel-based and iSCSI-based Storage Area Networks.

All hardware configurations listed have been qualified with the following products: Veritas Storage Foundation 4.3 for Windows, Veritas Storage Foundation HA 4.3 for Windows (VSFW plus Veritas Cluster Server 4.3 for Windows), Veritas Storage Foundation DR 4.3 for Windows, and Veritas Cluster Server 4.3 for NetApp Snap-Mirror. The following options are also supported by this HCL list: Veritas Storage Foundation for Windows - Volume Replicator Option, Veritas Storage Foundation for Windows - FlashSnap Option, Veritas Storage Foundation for Windows - Dynamic Multi-pathing Option, Veritas Storage Foundation for Windows - Cluster Option for Microsoft Cluster Server, Veritas Storage Foundation HA for Windows - Application Agent for Microsoft Exchange, Veritas Storage Foundation HA for Windows - Database Agents for Microsoft SQL and Oracle, Veritas Storage Foundation HA for Windows - Hardware Replication Agents for EMC SRDF, IBM PPRC, HDS TrueCopy, EMC MirrorView, and Veritas Storage Foundation HA for Windows - Global Cluster Option.

Source: Symantec 11/30/07

Hardware Compatibility List (HCL) for VERITAS Storage Foundation and High Availability Solutions 4.3 for Windows, Revision 1.2, Document ID 279559, October 5, 2005

Table 2-429. Symantec Veritas Storage Foundation and High Availability Solutions 4.3 for Windows Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Table Notes

The Veritas Storage Foundations and High Availability Solutions for Windows Hardware Compatibility List (HCL) applies to Fibre Channel- and iSCSI-based Storage Area Networks.

All hardware configurations listed have been qualified with the following products: Veritas Storage Foundation 4.3 for Windows, Veritas Storage Foundation HA 4.3 for Windows (VSFW plus Veritas Cluster Server 4.3 for Windows), Veritas Storage Foundation DR 4.3 for Windows, and Veritas Cluster Server 4.3 for NetApp SnapMirror. The following options are also supported by this HCL list: Veritas Storage Foundation for Windows - Volume Replicator Option, Veritas Storage Foundation for Windows - FlashSnap Option, Veritas Storage Foundation for Windows - Dynamic Multi-pathing Option, Veritas Storage Foundation for Windows - Cluster Option for Microsoft Cluster Server, Veritas Storage Foundation HA for Windows - Application Agent for Microsoft Exchange, Veritas Storage Foundation HA for Windows - Database Agents for Microsoft SQL and Oracle, Veritas Storage Foundation HA for Windows - Hardware Replication Agents for EMC SRDF, IBM PPRC, HDS TrueCopy, EMC MirrorView, and Veritas Storage Foundation HA for Windows - Global Cluster Option.

Source: Symantec 11/30/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and High Availability Solutions 4.3 for Windows, Revision 1.5, April 13, 2006

Table 2-430. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 for Windows Interoperability with QLogic Adapters Matrix

Vendor	QLogic Fibre Channel Adapter	Symantec Support					
		FC Port Drivers	SCSI Miniport	STORport Miniport	iSCSI Support	64-Bit Support	MPIO Support
QLogic	QLA2310, QLA2310F, QLA2310FL QLA2340, QLA2342, QLA2344, QLA2340L, QLA2342L		X				
	QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2342, QLA2344, QLA2340L, QLA2342L			X		X	X
	QLA2460, QLA2462 QLE2460, QLE2462, QLE2464			X		X	X
	QLA4010, QLA4050, QLA4050C, QLA40502C				X		

Table 2-430. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 for Windows Interoperability with QLogic Adapters Matrix (Continued)

Vendor	QLogic Fibre Channel Adapter	Symantec Support					
		FC Port Drivers	SCSI Miniport	STORport Miniport	iSCSI Support	64-Bit Support	MPIO Support
HP	BL20P G2/G3 FC Mezzanine Card (ISP2312) BL25p/BL45p Fibre Channel Adapter BL30p/BL35p Dual-Port Fibre Channel Adapter		X				
	BL20p G2/G3 Mezzanine Card (ISP2312) BL25p/BL45p Fibre Channel Adapter BL30p/BL35p Dual-Port Fibre Channel Adapter			X		X	X
	FCA2214 FC (QLA2340-WLX-HP-S) FCA2214DC FC (QLA2342-WLX-HP-S)		X				
	FCA2214 FC (QLA2340-WLX-HP-S) FCA2214DC FC (QLA2342-WLX-HP-S)			X		X	X

Table 2-430. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 for Windows Interoperability with QLogic Adapters Matrix (Continued)

Vendor	QLogic Fibre Channel Adapter	Symantec Support					
		FC Port Drivers	SCSI Miniport	STORport Miniport	iSCSI Support	64-Bit Support	MPIO Support
IBM	IBM DS4000 Adapter (24P0960) (QLA2340)			X		X	X
	IBM BladeCenter HS20/LS20 Fibre Channel Expansion Card IBM BladeCenter HS40 Fibre Channel Expansion Card		X				
	IBM BladeCenter HS20/LS20 Fibre Channel Expansion Card IBM BladeCenter HS40 Fibre Channel Expansion Card			X		X	X

Table Notes
All hardware configurations listed have been qualified with the following products: Veritas Storage Foundation 5.0 for Windows, Veritas Storage Foundation HA 5.0 for Windows (SFW plus Veritas Cluster Server 5.0 for Windows) and Veritas Cluster Server for NetApp SnapMirror. The following options are also supported by this HCL list: Veritas Volume Replicator Option, Veritas FlashSnap Option, Veritas Dynamic Multi-Pathing Option, Veritas Cluster Option for Microsoft Cluster Server.

Source: Symantec 2/21/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and High Availability Solutions 5.0 for Windows, Revision 1.0, Document ID 286541, February 15, 2007

Table 2-431. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 for Windows Interoperability with QLogic Switches Matrix

QLogic Switch
520x 560x

Table Notes
All hardware configurations listed have been qualified with the following products: Veritas Storage Foundation 5.0 for Windows, Veritas Storage Foundation HA 5.0 for Windows (SFW plus Veritas Cluster Server 5.0 for Windows) and Veritas Cluster Server for NetApp SnapMirror. The following options are also supported by this HCL list: Veritas Volume Replicator Option, Veritas FlashSnap Option, Veritas Dynamic Multi-Pathing Option, Veritas Cluster Option for Microsoft Cluster Server.

Source: Symantec 2/21/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and High Availability Solutions 5.0 for Windows, Revision 1.0, Document ID 286541, February 15, 2007

Table 2-432. Symantec Veritas Storage Foundation and High Availability Solutions 4.1 MP2 for Solaris SPARC Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec Support						
			Veritas Volume Manager	Dynamic Multi-Pathing feature of Veritas Volume Manager	SAN Boot	Veritas Cluster Server	Map database tables, VxFS/CFS files, and VxVM/CVM volumes to specific physical disks	Storage Foundation Cluster File System	Storage Foundation for Oracle RAC
Adapters	QLogic	QLA2300, QLA2302, QLA2310	X	X	X	X	X	X	X
		QCP2332, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QSB2340	X	X		X	X	X	X
		QLA4010C	X	X		X	X		
	Sun	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) SG-XPCI1FC-QL2 (QLA2340-SUN-XO)	X	X	X	X	X	X	X
		SG-XPCI1FC-QF4 (QLA2460-SUN-XO) SG-XPCI2FC-QF4 (QLA2462-SUN-XO) SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) SG-XPCIE2FC-QF4 (QLE2462-SUN-XO)	X	X		X	X	X	X
Switches	QLogic	1400, 520x, 560x, 9000	X	X	X	X	X	X	X

Table Notes
- VERITAS File System and Volume Replicator have no hardware dependencies.
- Persistent binding is required for SAN booting.

Source: Symantec 11/30/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and High Availability Solutions 4.1 MP2 for Solaris SPARC, Document ID 275752, September 13, 2007

Table 2-433. Symantec Veritas Storage Foundation and High Availability Solutions 4.0 MP2 for Solaris Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec Support					
			VxVM	DMP	VCS	SFO	SFCFS	SFOR
Adapters	QLogic	QLA2300, QLA2302, QLA2310, QLA2340, QLA2342, QCP2332, QSB2340	X	X	X	X	X	X
	Sun	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	X	X	X	X	X	X
Switches	QLogic	520x, 560x	X	X	X	X	X	X

Abbreviations
VxVM = VERITAS Volume Manager
DMP = Dynamic Multi-Pathing feature of VERITAS Volume Manager
VCS = VERITAS Cluster Server
SFO = Storage Foundation for Oracle (no PGR fencing)
SFCFS = Storage Foundation Cluster File System
SFOR = Storage Foundation for Oracle RAC
Table Notes
VERITAS File System and Volume Replicator have no hardware dependencies.

Source: VERITAS Software 10/10/05

Hardware Compatibility List (HCL) for VERITAS Storage Foundation and High Availability Solutions 4.0 MP2 for Solaris, Document ID 265799, September 14, 2005

Table 2-434. Symantec Veritas Storage Foundation and High Availability Solutions 3.5 MP4 for Solaris Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec/VERITAS Support						
			VxVM	DMP	DBEd	VCS	SPC	SPFS	DBAC
Adapters	QLogic	QLA2300, QLA2302, QLA2310, QLA2340, QLA2342	X	X	X	X	X	X	X
		QCP2332	X	X	X	X		X	X
	Sun	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK), SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	X	X	X	X		X	X
Switches	QLogic	520x	X	X	X	X	X		

Table 2-434. Symantec Veritas Storage Foundation and High Availability Solutions 3.5 MP4 for Solaris Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec/VERITAS Support						
			VxVM	DMP	DBEd	VCS	SPC	SPFS	DBAC

Abbreviations
VxVM = VERITAS Volume Manager
DMP = Dynamic Multi-Pathing Feature of VERITAS Volume Manager
DBEd = VERITAS Database Edition and Database Edition HA
VCS = VERITAS Cluster Server
SPC = VERITAS SANPoint Control
SPFS = VERITAS SANPoint Foundation Suite
DBAC = VERITAS Database Edition Advanced Cluster

Table Notes
- VERITAS File System and Volume Replicator have no hardware dependencies, and are only supported when used together with Volume Manager.
- For Solaris 2.6 and 2.7, Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) and SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) Adapters require QLogic Adapter driver 4.13.
- Dbed-AC and third-party path-suppressing drivers are mutually exclusive.

Source: VERITAS Software 10/10/05

Hardware Compatibility List (HCL) for VERITAS Storage Foundation and High Availability Solutions 3.5 MP4 for Solaris, Document ID 253014, September 19, 2005

Table 2-435. Symantec Veritas Storage Foundation and High Availability Solutions 4.1 MP3 for Red Hat Enterprise Linux 4.0 and SuSE Linux Enterprise Server 9 and 10 Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec Support					
			Veritas Volume Manager	Dynamic Multi-Pathing feature of Veritas Volume Manager	SAN Boot	Veritas Cluster Server	Veritas Storage Foundation Cluster File System	Veritas Storage Foundation for Oracle RAC
Adapters	HP	HP FCA2214 FC (QLA2340-WLX-HP-SP) HP FCA2214DC FC (QLA2342-WLX-HP-SP)	X	X		X	X	X
	QLogic	QLA2300	X	X		X		
		QLA2340, QLA2342, QLA2460, QLA2462, QLE2462	X	X		X	X	X

Table 2-435. Symantec Veritas Storage Foundation and High Availability Solutions 4.1 MP3 for Red Hat Enterprise Linux 4.0 and SuSE Linux Enterprise Server 9 and 10 Interoperability with QLogic Adapters and Switches Matrix (Continued)

Category	Vendor	Model	Symantec Support					
			Veritas Volume Manager	Dynamic Multi-Pathing feature of Veritas Volume Manager	SAN Boot	Veritas Cluster Server	Veritas Storage Foundation Cluster File System	Veritas Storage Foundation for Oracle RAC
Switches	QLogic	560x	X	X		X	X	X
		520x	X	X		X		

Table Notes
- Operating systems: Linux RHEL 4.0 U1 through U4, SUSE SLES 9 SP1 through SP3, and SUSE SLES 10.
- Veritas File System and Volume Replicator have no hardware dependencies, and are only supported when used together with Volume Manager.

Source: Symantec 11/30/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and High Availability Solutions 4.1 MP3 for Linux RHEL 4.0 U1 through U4, SUSE SLES 9 SP1 through SP3, and SUSE SLES 10, Document ID 277905, July 25, 2007

Table 2-436. Symantec Veritas Storage Foundation and High Availability Solutions 5.0 MP1 for UNIX Matrix

Category	Model
Adapters	QLA23xx, QLA24xx, QLE24xx
Switches	520x, 560x, 9000

Table Notes
In the HCL, specific references to adapters and switches have been removed. All adapters (except iSCSI adapters) and FC switches that are supported by the operating system and storage array manufacturer's listed on the source HCL are supported unless otherwise explicitly stated.

Source: Symantec 11/30/07

Hardware Compatibility List (HCL) for Veritas Storage Foundation and *High Availability Solutions 5.0 MP1 for UNIX*, Document ID 283161, November 21.2007

Table 2-437. Symantec Veritas Storage Foundation for Networks 1.0 Using Cisco MDS Switches Interoperability with QLogic Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Red Hat Linux 7.2, 8.0	QLA231x
Solaris 8, 9	QLA231x QLA234x Leadville
Windows 2000 Windows 2003	QLA231x QLA234x

Table Notes
Solaris Leadville driver does not discover VLUNs. This is a non-supported driver with no workaround. A fix is pending from Sun Microsystems.

Source: VERITAS Software 10/10/05

VSFN 1.0, Cisco: Hardware Compatibility List, Revision 1.2, Document ID 263079, April 28, 2004

Table 2-438. Symantec Veritas Storage Foundation for Networks 1.1 Using Cisco MDS Switches Interoperability with QLogic Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Red Hat Linux 7.2, 8.0	QLA231x
Solaris 8, 9	QLA231x QLA234x Leadville
Windows 2000 Windows 2003	QLA231x QLA234x

Table Notes
Solaris Leadville driver does not discover VLUNs. This is a non-supported driver with no workaround. A fix is pending from Sun Microsystems.

Source: VERITAS Software 10/10/05

VSFN 1.1, Cisco: Hardware Compatibility, Revision 1.3, Document ID 269384, July 19, 2004

Table 2-439. Symantec Veritas Storage Solutions 4.2 for Windows Interoperability with QLogic Adapters Matrix

Vendor	Fibre Channel Adapter	Symantec/VERITAS Support			
		FC Port Drivers	SCSI Miniport	STORport Miniport	iSCSI Support
QLogic	QLA2310, QLA2310F, QLA2310FL		X		
	QLA2310, QLA2310F, QLA2310FL, QLA2340, QLA2342, QLA2344, QLA2340L, QLA2342L			X	
	QLA2340, QLA2342, QLA2344, QLA2340L, QLA2342L		X		
	QLA4010				X
HP	BL20P G3 FC Mezzanine Card (ISP2312)		X		
	BL25p/BL45p Fibre Channel Adapter			X	
	FCA2214 FC (QLA2340-WLX-HP-S), FCA2214DC FC (QLA2342-WLX-HP-S)		X		
	FCA2214 FC (QLA2340-WLX-HP-S), FCA2214DC FC (QLA2342-WLX-HP-S)			X	
IBM	IBM HS20/LS20 Fibre Channel Expansion Card for IBM eServer BladeCenter		X		

Table Notes

All hardware configurations listed have been qualified with the following products: VERITAS Storage Foundation 4.2 for Windows, VERITAS Storage Foundation HA 4.2 for Windows (VSFW plus VERITAS Cluster Server 4.2 for Windows) and VERITAS Cluster Server for NetApp SnapMirror. The following options are also supported by this HCL list: VERITAS Volume Replicator Option, VERITAS FlashSnap Option, VERITAS Dynamic Multi-Pathing Option, VERITAS Cluster Option for Microsoft Cluster Server, VERITAS Cluster Agent for Microsoft Exchange, VERITAS Cluster Agent for Microsoft SQL, VERITAS Cluster Agent for EMC SRDF, and Global Cluster Option.

Source: VERITAS Software 10/10/05

Hardware Compatibility List (HCL) for VERITAS Storage Solution 4.2 for Windows Products, Revision 1.8, Document ID 279562, October 5, 2005

Table 2-440. Symantec Veritas Storage Solutions 4.2 for Windows Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Table Notes
All hardware configurations listed have been qualified with the following products: VERITAS Storage Foundation 4.2 for Windows, VERITAS Storage Foundation HA 4.2 for Windows (VSFW plus VERITAS Cluster Server 4.2 for Windows) and VERITAS Cluster Server for NetApp SnapMirror. The following options are also supported by this HCL list: VERITAS Volume Replicator Option, VERITAS FlashSnap Option, VERITAS Dynamic Multi-Pathing Option, VERITAS Cluster Option for Microsoft Cluster Server, VERITAS Cluster Agent for Microsoft Exchange, VERITAS Cluster Agent for Microsoft SQL, VERITAS Cluster Agent for EMC SRDF, and Global Cluster Option.

Source: VERITAS Software 10/10/05

Hardware Compatibility List (HCL) for VERITAS Storage Solution 4.2 for Windows Products, Revision 1.8, Document ID 279562, October 5, 2005

The following matrices specify QLogic adapter and switch interoperability with Symantec Veritas Storage Solutions 2.2 MP2 products for Red Hat Linux.

Table 2-441. Symantec Veritas Storage Solutions 2.2 MP2 Products on IA64-based Systems for Red Hat Enterprise Linux 3 Interoperability with QLogic Adapters Matrix

Category	Vendor	Model	Symantec/VERITAS Support		
			VxVM	VCS	DMP
Adapters	QLogic	QLA23xx	X	X	X

Abbreviations
VxVM = VERITAS Volume Manager
DMP = Dynamic Multi-Pathing feature of VERITAS Volume Manager
VCS = VERITAS Cluster Server
Table Notes
VERITAS File System is supported by default as it has no hardware dependencies.

Source: VERITAS Software 10/7/05

VERITAS Storage Solutions 2.2 MP2 Products on Linux Red Hat Enterprise Linux 3 for IA64, Hardware Notes Revision 1.1, Document ID 268458, May 27, 2004

Table 2-442. Symantec Veritas Storage Solutions 2.2 MP2 Products on Red Hat Linux AS 2.1 Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	VERITAS Support		
			VxVM	DMP	VCS
Adapters	QLogic	QLA23xx	X	X	X
Switches	QLogic	520x	X	X	X

Abbreviations
VxVM = VERITAS Volume Manager
DMP = Dynamic Multi-Pathing feature of VERITAS Volume Manager
VCS = VERITAS Cluster Server
Table Notes

VERITAS File System is supported by default as it has no hardware dependencies.

Source: VERITAS Software 10/10/05

Hardware Compatibility List (HCL) for VERITAS Storage Solutions 2.2 MP2 Products on Linux RedHat AS 2.1, Document ID 265080, September 6, 2005

Table 2-443. Symantec Veritas Storage Solutions 2.2 MP2 Products for SuSE Linux Enterprise Server 8 Interoperability with QLogic Adapters and Switches Matrix

Category	Vendor	Model	Symantec/VERITAS Support		
			VxVM	DMP	VCS
Adapters	QLogic	QLA23xx	X	X	X
Switches	QLogic	520x	X	X	X

Abbreviations
VxVM = VERITAS Volume Manager
DMP = Dynamic Multi-Pathing feature of VERITAS Volume Manager
VCS = VERITAS Cluster Server
Table Notes
VERITAS File System is supported by default as it has no hardware dependencies.

Source: VERITAS Software 10/7/05

Hardware Compatibility List (HCL) for VERITAS Storage Solutions 2.2 MP2 Products on Linux SuSE SLES 8 SP2/SP2A/SP3, HCL Revision 1.0, Document ID 268513, January 6, 2005

Table 2-444. Symantec Veritas Storage Solutions 2.2 Products on SuSE Linux Enterprise Server 8 Interoperability with QLogic Adapters Matrix

Category	Vendor	Model	Symantec/VERITAS Support		
			VxVM	DMP	VCS
Adapters	QLogic	QLA23xx	X	X	X

Abbreviations
VxVM = VERITAS Volume Manager
DMP = Dynamic Multi-Pathing feature of VERITAS Volume Manager
VCS = VERITAS Cluster Server
Table Notes
VERITAS File System is supported by default as it has no hardware dependencies.

Source: VERITAS Software 10/10/05

Hardware Compatibility List (HCL) for VERITAS Storage Solutions 2.2 Products on Linux SuSE SLES 8 SP2/SP2A, Revision 1.0, Document ID 265101, January 13, 2004

Table 2-445. Symantec Backup Exec 9.x for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Windows 2000 Server	QLA2300 QLA2340
Windows Server 2003 Enterprise Edition	HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLA2310 QLA2340
Windows NT 4.0 Server	QLA2340

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 9.x (9.0, 9.1) Hardware Compatibility List, Document ID 282347, March 22, 2007

Table 2-446. Symantec Backup Exec 9.x for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 9.x (9.0, 9.1) Hardware Compatibility List, Document ID 282347, March 22, 2007

Table 2-447. Symantec Backup Exec 10.0 for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Windows 2000 Server	QLA2300 QLA2340 QLA2342
Windows Server 2003 Enterprise Edition	HP FCA2214DC FC (QLA2342-WLX-HP-SP) QLA2300 QLA2310 QLA2340 QLA2342

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 10.0 Hardware Compatibility List, Document ID 281669, September 13, 2006

Table 2-448. Symantec Backup Exec 10.0 for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 10.0 Hardware Compatibility List, Document ID 281669, September 13, 2006

Table 2-449. Symantec Backup Exec 10d (10.1) for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Windows 2000 Advanced Server	QLogic QLA2300 QLogic QLA2340
Windows 2000 Server	QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464

Table 2-449. Symantec Backup Exec 10d (10.1) for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Fibre Channel Adapter
Windows Server 2003 Enterprise Edition	HP FCA2214DC (QLA2342-WLX-HP-SP) QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462
Windows Server 2003 Standard Edition	QLogic QLA2340

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 10d (10.1) Hardware Compatibility List, Document ID 281670, October 29, 2007

Table 2-450. Symantec Backup Exec 10d (10.1) for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switch 520x Switches 560x Switches 6140 Router 6142 Router QLogic 9000 Switch

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 10d (10.1) Hardware Compatibility List, Document ID 281670, October 29, 2007

Table 2-451. Symantec Backup Exec 11d (11.0) for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Windows 2000 Server	QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLE2460 QLogic QLE2462 QLogic QLE2464
Windows 2000 Advanced Server	QLogic QLA2300 QLogic QLA2340
Windows Server 2003 Standard Edition	QLogic QLA2340
Windows Server 2003 Enterprise Edition	HP FCA2214DC (QLA2342-WLX-HP-SP) QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342 QLogic QLA2440 QLogic QLA2460 QLogic QLA2462 QLogic QLE2460 QLogic QLE2462
Windows Server 2003 Enterprise Edition (x64)	QLogic QLA2340 QLogic QLA2342 QLogic QLA2460 QLogic QLE2462

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 11d (11.0.6235 and 11.0.7170) Hardware Compatibility List, Document ID 282249, November 20, 2007

Table 2-452. Symantec Backup Exec 11d (11.0) for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switch 520x Switches 560x Switches 6140 Router 6142 Router QLogic 9000 Switches

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 11d (11.0.6235 and 11.0.7170) Hardware Compatibility List, Document ID 282249, November 20, 2007

Table 2-453. Symantec Backup Exec 12 for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
Windows 2000	QLogic QLA23xx QLogic QLA24xx QLogic QLE24xx
Windows Server 2003	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572) QLogic QLA23xx QLogic QLA24xx QLogic QLE24xx QLogic QLE256x
Windows Server 2008	Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572) HP FCA2214DC (QLA2342-WLX-HP-SP) QLogic QLA23xx QLogic QLA24xx QLogic QLE24xx QLogic QLE256x

Source: Symantec 6/12/08; QLogic 1/27/09

Symantec Backup Exec 12 for Windows Servers Hardware Compatibility Lists, Document ID 294294, June 05, 2008

Table 2-454. Symantec Backup Exec 12 for Windows Servers Shared Storage Option (SSO) Interoperability with QLogic Switches and Routers Matrix

QLogic Switch/Router
1400 Switch 520x Switches 560x Switches 3810 Switches 580xV Switches 6140 Router 6142 Router QLogic 9000 Switches 9008V Switches

Source: Symantec 6/12/08; QLogic 10/23/08

Symantec Backup Exec 12 for Windows Servers Hardware Compatibility Lists, Document ID 294294, June 05, 2008

Updated 04/20/09

Table 2-455. Symantec Backup Exec 9.x for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix

QLogic iSCSI Adapter	Interconnect	Library	Drive
QLA4010C	ATTO iPBridge 2500	Overland Storage NEO series	Quantum SDLT 220 (SuperDLT)

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 9.x (9.0, 9.1) Hardware Compatibility List, Document ID 282347, March 22, 2007

Table 2-456. Symantec Backup Exec 10.x for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix

Operating System	Library	Drive	Bridge	QLogic iSCSI Adapter
Windows 2000 Windows Server 2003	Overland Storage NEO series	Quantum SDLT 220 (SuperDLT)	ATTO iPBridge	QLA4010C

Source: VERITAS Software 10/07/05

Backup Exec 10.x for Windows Servers iSCSI Hardware Compatibility List (HCL), Document ID 274349, October 7, 2005

Table 2-457. Symantec Backup Exec 10.0 for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix

QLogic iSCSI Adapter	Interconnect	Library	Drive
QLA4010C	ATTO iPBridge 2500	Overland Storage NEO series	Quantum SDLT 220 (SuperDLT)

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 10.0 Hardware Compatibility List, Document ID 281669, September 13, 2006

Table 2-458. Symantec Backup Exec 10d (10.1) for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix

QLogic iSCSI Adapter	Interconnect	Library	Drive
QLA4010C	ATTO iPBridge 2500	Overland Storage NEO Series	Quantum SDLT 220
QLA4010C	QLogic 6140 QLogic 6142	StorageTek SL500	IBM TotalStorage 3580 Ultrium 3 (FC)
QLA4050C	Quantum TC2201	Quantum PX500 Series	Quantum DLT-S4 Quantum SDLT 600 HP StorageWorks Ultrium 460 LTO-2 HP StorageWorks Ultrium 960 LTO-3
		Quantum PX720	Quantum SDLT 600
QLA4050C	QLogic 6140 QLogic 6142	StorageTek SL500	IBM TotalStorage 3580 Ultrium 3 (FC)
QLA4052C	HP Direct iSCSI Device	HP VLS 1000i	HP StorageWorks Ultrium 460 LTO-2
QLA4052C	Quantum TC2201	Quantum PX500 Series	Quantum DLT-S4 Quantum SDLT 600 HP StorageWorks Ultrium 460 LTO-2 HP StorageWorks Ultrium 960 LTO-3
		Quantum PX720	Quantum SDLT 600
QLA4052C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
QLA4052C	HP Direct iSCSI Device	HP VLS 1000i	HP StorageWorks Ultrium 460 LTO-2

Source: Symantec 11/30/07

Symantec Backup Exec for Windows Servers 10d (10.1) Hardware Compatibility List, Document ID 281670, October 29, 2007

Table 2-459. Symantec Backup Exec 11d (11.0) for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix

QLogic iSCSI Adapter	Interconnect	Library	Drive
QLA4010C	ATTO iPBridge 2500	Overland Storage NEO Series	Quantum SDLT 220
QLA4010C	QLogic 6140 QLogic 6142	Sun StorageTek SL500	IBM TotalStorage 3580 Ultrium 3 (FC)/
QLA4050C	Quantum TC2201	Quantum PX500 Series	Quantum DLT-S4 Quantum SDLT 600 HP StorageWorks Ultrium 460 LTO-2 HP StorageWorks Ultrium 960 LTO-3
		Quantum PX720	Quantum SDLT 600
QLA4050C	QLogic 6140 QLogic 6142	Sun StorageTek SL500	IBM TotalStorage 3580 Ultrium 3 (FC)
QLA4050C	QLogic 6142	Quantum PX500 Series	Quantum SDLT 600
QLA4052C	HP Direct iSCSI Device	HP VLS 1000i	HP StorageWorks Ultrium 460 LTO-2
QLA4052C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
QLA4052C	Quantum TC2201	Quantum PX500 Series	Quantum DLT-S4 Quantum SDLT 600 HP StorageWorks Ultrium 460 LTO-2 HP StorageWorks Ultrium 960 LTO-3
		Quantum PX720	Quantum SDLT 600
QLE4062C	QLogic 6140	Sun StorageTek L180	IBM Ultrium 3 LTO-3/

Source: Symantec 11/27/07

Symantec Backup Exec for Windows Servers 11d (11.0.6235 and 11.0.7170) Hardware Compatibility List, Document ID 282249, November 20, 2007;

Backup Exec SSO Test Procedures, Platforms W2K3 32/64, QLogic Network Certification Lab. November 6, 2007

Table 2-460. Symantec Backup Exec 12 for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix

QLogic iSCSI Adapter	Interconnect	Library	Drive
QLA4010C	ATTO iPBridge 2500	Overland Storage NEO Series	Quantum SDLT 220
QLA4010C	QLogic 6140 QLogic 6142	Sun StorageTek SL500	IBM TotalStorage 3580 Ultrium 3

Table 2-460. Symantec Backup Exec 12 for Windows Servers Interoperability with QLogic iSCSI Adapters Matrix (Continued)

QLogic iSCSI Adapter	Interconnect	Library	Drive
QLA4050C	Quantum TC2201	Quantum PX500 Series	Quantum DLT-S4 Quantum SDLT 600 HP StorageWorks Ultrium 460 LTO-2 HP StorageWorks Ultrium 960 LTO-3
		Quantum PX720	Quantum SDLT 600
QLA4050C	QLogic 6140 QLogic 6142	Sun StorageTek SL500	IBM TotalStorage 3580 Ultrium 3 (FC)
QLA4050C	QLogic 6142	Quantum PX500 Series	Quantum SDLT 600
QLA4052C	HP Direct iSCSI Device	HP VLS 1000i, 10002i	HP StorageWorks Ultrium 460 LTO-2
QLA4052C	Overland Storage Gigabit Ethernet Option	Overland Storage NEO Series	HP StorageWorks Ultrium 230 LTO-1
QLA4052C	Quantum TC2201	Quantum PX500 Series	Quantum DLT-S4 Quantum SDLT 600 HP StorageWorks Ultrium 460 LTO-2 HP StorageWorks Ultrium 960 LTO-3
		Quantum PX720	Quantum SDLT 600

Source: Symantec 6/12/08

Symantec Backup Exec 12 for Windows Servers Hardware Compatibility Lists, Document ID 294294, June 05, 2008

Table 2-461. Symantec Backup Exec 9.x for NetWare Servers Shared Storage Option (SSO) Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Fibre Channel Adapter
NetWare 6.0	HP FCA2214 FC (QLA2340-WLX-HP-SP) QLogic QLA2340, QLA2342
NetWare 6.5	QLogic QLA2300, QLA2340, QLA2342

Source: Symantec 11/30/07

Symantec Backup Exec for NetWare Servers 9.x (9.0, 9.1, 9.2) Hardware *Compatibility List (HCL)*, Document ID 282348, May 23, 2007.

Table 2-462. Symantec Backup Exec 9.x for NetWare Servers Shared Storage Option (SSO) Interoperability with QLogic Switches Matrix

QLogic Switch
520x

Source: Symantec 11/30/07

Symantec Backup Exec for NetWare Servers 9.x (9.0, 9.1, 9.2) Hardware *Compatibility List (HCL)*, Document ID 282348, May 23, 2007.

Table 2-463. Symantec Veritas CommandCentral Storage 4.0 and 4.1 Interoperability with QLogic Fibre Channel Adapters Matrix

QLogic Fibre Channel Adapter	Operating System
QLogic QLA2300 QLogic QLA2310 QLogic QLA2340 QLogic QLA2342	Red Hat Linux AS 2.1 Solaris Windows NT Windows 2000 Windows 2003
Sun SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) Sun SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 8, 9

Source: VERITAS Software 10/7/05

CommandCentral 4.0 & 4.1 Hardware and Software Compatibility List, Document ID 267876, September 12, 2005

Table 2-464. Symantec Veritas CommandCentral Storage 4.3 Interoperability with QLogic Fibre Channel Adapters Matrix

Vendor	QLogic Fibre Channel Adapter	Operating System
HP	A6826A (QLA2342-UX-HP-BK)	HP-UX 11i v1 [a]
QLogic	QLA2300 QLA2310 QLA2340 QLA2342 QLA2344	Red Hat Linux AS 2.1 Red Hat Linux AS 3.0 (32-bit) Solaris Windows 2000 Windows 2000 (32-bit) Windows 2003 (64-bit)
	QLA24xx QLE24xx	Red Hat Linux AS 3.0 (32-bit) Solaris Windows 2000 Windows 2003 (32-bit)

Table 2-464. Symantec Veritas CommandCentral Storage 4.3 Interoperability with QLogic Fibre Channel Adapters Matrix

Vendor	QLogic Fibre Channel Adapter	Operating System
Sun	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 8, 9, 10

Table Notes
[a] On a McDATA switch, MAX CT size limitation is 64 ports. RSCN changes are only noted after IOSCAN issued (next SAL exploration).

Source: Symantec 11/30/07

Veritas CommandCentral Storage 4.3 Hardware and Software Compatibility List, Document ID 284760, August 2, 2007

Table 2-465. Symantec Veritas CommandCentral Storage 5.0 Interoperability with QLogic Fibre Channel Adapters Matrix

Vendor	QLogic Fibre Channel Adapter	Operating System
HP	A6826A (QLA2342-UX-HP-BK)	HP-UX 11i v1
QLogic	QLA2300 QLA2310 QLA2340 QLA2342 QLA2344	Red Hat Linux AS 3.0 (32-bit) Red Hat Linux AS 4.0 (32-bit) Solaris Windows 2000 Windows 2000 (32-bit) Windows 2003 (64-bit)
	QLA24xx QLE24xx	Red Hat Linux AS 3.0 (32-bit) Red Hat Linux AS 4.0 (32-bit) Solaris Windows 2000 Windows 2003 (32-bit)
Sun	SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK)	Solaris 8, 9, 10

Table Notes
On a McDATA switch, MAX CT size limitation is 64 ports. RSCN changes are only noted after IOSCAN issued (next SAL exploration).

Source: Symantec 11/30/07

CommandCentral Storage 5.0 Hardware and Software Compatibility List, Document ID 288784, August 30, 2007

Table 2-466. Symantec Veritas CommandCentral Storage 5.0 MP1 Interoperability with QLogic Switches Matrix

QLogic Switch
9000

Source: Symantec 1/16/08

Tandberg Data

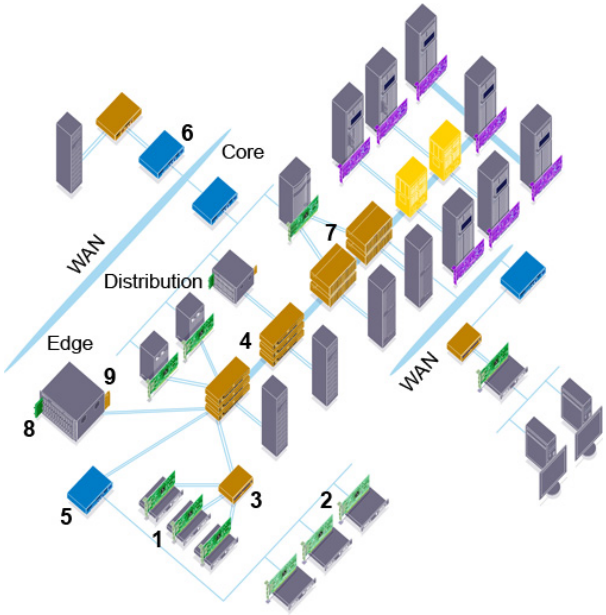
www.tandbergdata.com

Tandberg Data and the QLogic Platform

Tandberg Data products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-467. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-467. Tandberg Data and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Tandberg Data and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Tandberg Data.

Table 2-468. Tandberg Data's Exabyte Tape Storage Product Interoperability with QLogic Fibre Channel Adapters Matrix

Tandberg Data's Exabyte Product	QLogic Adapter
221L Fibre Channel	QLA2310
LTO-2 Fibre Channel	QLA2342
Magnum 8x143 Fibre Channel	QLA2342
Magnum 224 Fibre Channel	QLA246*x* QLE246*x*
Magnum 448 Fibre Channel	QLA246x QLE246*x*
Mammoth-2 Fibre Channel	QLA2300

Source: Exabyte Corporation 9/26/06

Thales nCipher

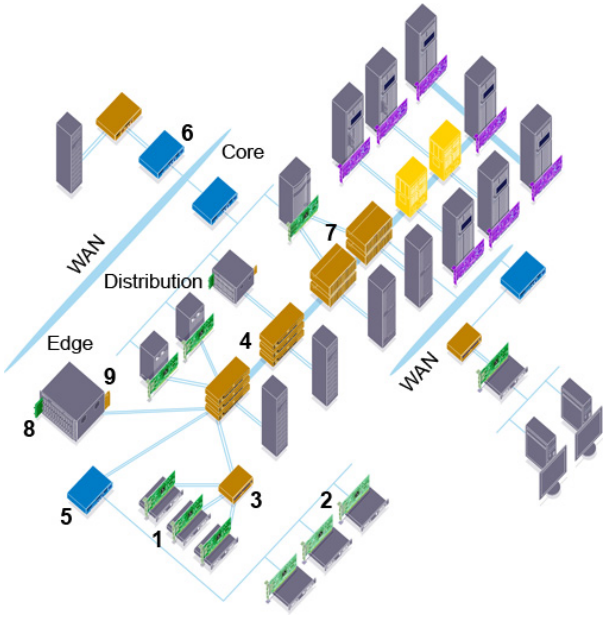
www.ncipher.com

Thales nCipher and the QLogic Platform

Thales nCipher products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-469. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-469. Thales nCipher and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Thales nCipher and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Thales nCipher.

- Table 2-470. Thales nCipher CryptoStor Interoperability with QLogic Fibre Channel Adapters and Switches Matrix
- Table 2-471. Thales nCipher and QLogic Embedded Products Matrix

Table 2-470. Thales nCipher CryptoStor Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Operating System	QLogic Adapter	QLogic Switch
Linux Solaris Windows 2000 Windows 2003	QLA2300F QLA2342 QLA246*x* QLE246*x*	SB560*x*

Source: NeoScale 2/26/07

NeoScale has chosen QLogic adapters as a core-embedded component of its CryptoStor-for-Tape Storage Security appliance. Two QLogic adapters are integrated into the Thales nCipher product as shown in Table 2-471.

Table 2-471. Thales nCipher and QLogic Embedded Products Matrix

Thales nCipher Product	Embedded QLogic Product
FC 502, CryptoStor for Tape	QLA2342L

Source: NeoScale 6/6/03

Tivoli Software

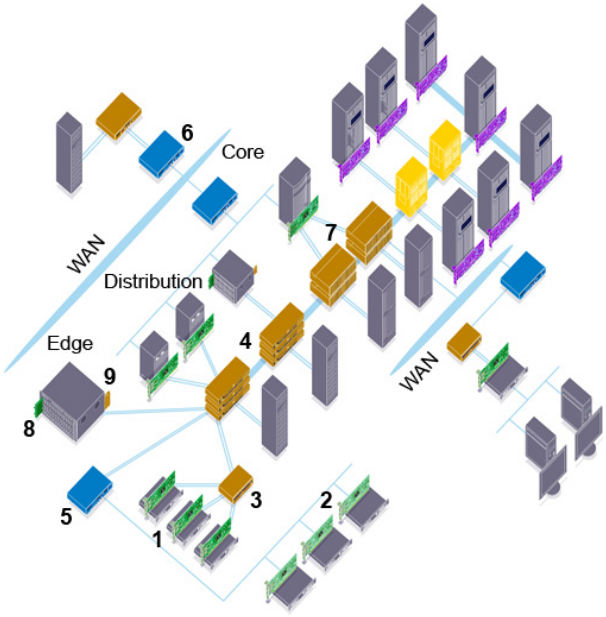
www.tivoli.com

Tivoli Software and the QLogic Platform

Tivoli Software products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-472. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-472. Tivoli Software and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Tivoli Software and QLogic Interoperability Matrices

Tivoli Storage Manager supports Fibre Channel connections to devices that are on the Tivoli Storage Manager device list if they are supported by the hardware vendor. The following interoperability information has been provided by or obtained from Tivoli Software.

- Table 2-473. IBM TotalStorage Productivity Center Interoperability with QLogic Fibre Channel Adapters Matrix
- Table 2-474. IBM TotalStorage Productivity Center Interoperability with QLogic Fibre Channel Switches Matrix

Table 2-473. IBM TotalStorage Productivity Center Interoperability with QLogic Fibre Channel Adapters Matrix

Operating System	QLogic Adapter
Linux	QLA2300 QLA2300F QLA2302 QLA2302F QLA2310 QLA2310F QLA2310FL QLA2312 QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QLA2350 QLA2352

Table 2-473. IBM TotalStorage Productivity Center Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapter
Solaris	QLA2300 QLA2300F QLA2302 QLA2302F QLA2310 QLA2310F QLA2310FL QLA2312 QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QLA2350 QLA2352
Windows 2000	QLA2302 QLA2302F QLA2310 QLA2310F QLA2310FL QLA2312 QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QLA2350 QLA2352

Table 2-473. IBM TotalStorage Productivity Center Interoperability with QLogic Fibre Channel Adapters Matrix (Continued)

Operating System	QLogic Adapter
Windows 2003	QLA2300 QLA2300F QLA2302 QLA2302F QLA2310 QLA2310F QLA2310FL QLA2312 QLA2340 QLA2340L QLA2342 QLA2342L QLA2344 QLA2350 QLA2352

Source: Tivoli Software 8/30/06

IBM TotalStorage Productivity Center Version 3 Release 1 and Version 3 Release 2 Supported *Products Matrix for Fabric Manager*, Reference # 1230797, IBM Software Group, August 18, 2006

Table 2-474. IBM TotalStorage Productivity Center Interoperability with QLogic Fibre Channel Switches Matrix

QLogic Switch
SB520*x*

Source: Tivoli Software 8/28/06

IBM TotalStorage Productivity Center Version 3 Release 1 and Version 3 Release 2 supported *Products Matrix for Fabric Manager*, Reference # 1230797, IBM Software Group, August 18, 2006

Texas Memory Systems

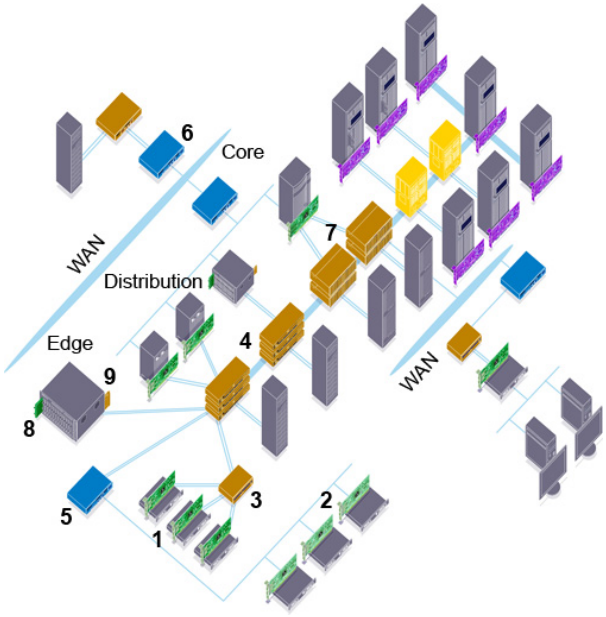
www.texmemsys.com

Texas Memory Systems and the QLogic Platform

Texas Memory Systems products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-475. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-475. Texas Memory Systems and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
	8 Blade Server Adapters
	9 Blade Server Switch Modules



Texas Memory Systems and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Texas Memory Systems.

- Table 2-476. Texas Memory Systems RamSan FC-65 and FC-400 Controller Interoperability with QLogic Adapters Matrix
- Table 2-477. Texas Memory Systems RamSan FC-65 and FC-400 Controller Interoperability with QLogic Switches Matrix
- Table 2-478. Texas Memory Systems RamSan-220 Solid State Disk (FC-34 Fibre Channel Interface) Interoperability with QLogic Adapters Matrix
- Table 2-479. Texas Memory Systems RamSan-120, RamSan-300, RamSan-325c, RamSan-400, and RamSan-500 Interoperability with QLogic Adapters and Switches Matrix

Table 2-476. Texas Memory Systems RamSan FC-65 and FC-400 Controller Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
IRIX 6.3	QLA2342
Red Hat Enterprise Linux 3	QLA2300F, QLA2342
Red Hat Enterprise Linux 4, 5	QLA2300F, QLA2342 QLA2460, QLA2462 QLE2460, QLE2462
SLES 9, 10	QLA2300F, QLA2342 QLA2460, QLA2462 QLE2460, QLE2462
Solaris 8, 9	QLA2300F, QLA2342
Solaris 10	QLA2300F, QLA2342 QLA2460, QLA2462 QLE2460, QLE2462
Windows 2000	QLA2300F, QLA2342
Windows 2003	QLA2300F, QLA2342 QLA2460, QLA2462 QLE2460, QLE2462
Windows XP	QLA2300F, QLA2342

Table Notes
1 Gb Adapters are only interoperable with RamSan FC65 controllers.

Source: Texas Memory Systems 7/16/07

Table 2-477. Texas Memory Systems RamSan FC-65 and FC-400 Controller Interoperability with QLogic Switches Matrix

QLogic Switch
560x 9000

Source: Texas Memory Systems 7/16/07

Table 2-478. Texas Memory Systems RamSan-220 Solid State Disk (FC-34 Fibre Channel Interface) Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter
Windows 2000	QLA2300, QLA2340
Solaris	QLA2340

Source: Texas Memory Systems 3/25/03

Table 2-479. Texas Memory Systems RamSan-120, RamSan-300, RamSan-325c, RamSan-400, and RamSan-500 Interoperability with QLogic Adapters and Switches Matrix

Texas Memory Systems Product	Operating System	QLogic Adapter	QLogic Switch
RamSan-120	Red Hat Enterprise Linux 3, 4 Solaris 8, 9, 10 Windows 2000 Server Windows 2003 Server	QLogic QLA2342, QLA2460, QLA2462, QLE2460, QLE2462	560x
RamSan-300 Ram-San-325c	Red Hat Enterprise Linux 3, 4 Solaris 8, 9, 10 Windows 2000 Server Windows 2003 Server	QLogic QLA2342, QLA2460, QLA2462, QLE2460, QLE2462	560x 9000

Table 2-479. Texas Memory Systems RamSan-120, RamSan-300, RamSan-325c, RamSan-400, and RamSan-500 Interoperability with QLogic Adapters and Switches Matrix (Continued)

Texas Memory Systems Product	Operating System	QLogic Adapter	QLogic Switch
RamSan-400	Red Hat Enterprise Linux 3, 4 Solaris 8, 9, 10 Windows 2000 Server	QLogic QLA2342, QLA2460, QLA2462, QLE2460, QLE2462	560x 9000
	Windows 2003 Server	QLogic QLA2342, QLA2460, QLA2462, QLE2460, QLE2462 QLE256x Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	560x 9000 580xV 9008V
RamSan-500	Red Hat Enterprise Linux 5.2	QLogic QLE256x Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV 9008V

Source: Texas Memory Systems 1/9/07, 8/27/08; QLogic 10/23/08, 1/27/09

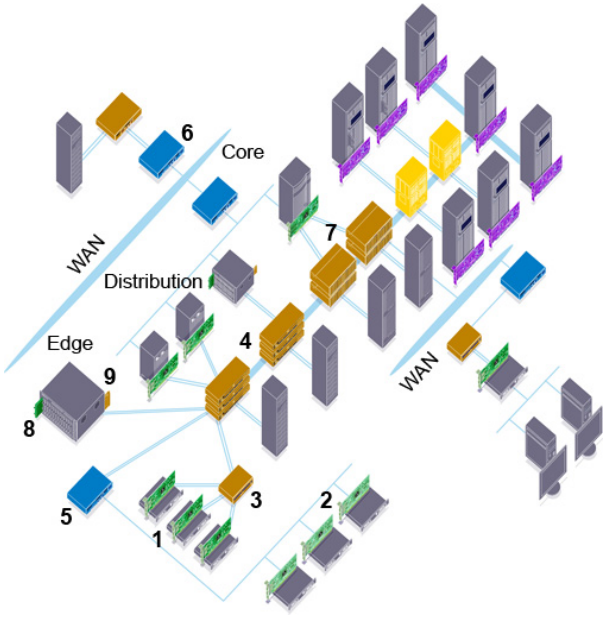
Virtual Iron

www.virtualiron.com

Virtual Iron and the QLogic Platform

Virtual Iron products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-480. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-480. Virtual Iron and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
✓	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
✓	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Virtual Iron and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Virtual Iron.

- Table 2-481. Virtual Iron Software Interoperability with QLogic Adapters and Switches Matrix
- Table 2-482. Virtual Iron 4.4 Interoperability with QLogic Adapters and Switches Matrix

Table 2-481. Virtual Iron Software Interoperability with QLogic Adapters and Switches Matrix

QLogic Adapter	QLogic Switches
QLA2340 QLA2344 QLA2462 QLE2460 QLE2462	1400 520x 560x 9000
Table Notes Virtual Iron supports standard SAN hardware connected to these Adapters.	

Source: Virtual Iron 10/20/07

Virtual Iron Supported Hardware .http://www.virtualiron.com/products/servers.cfm, October 20, 2007.

Table 2-482. Virtual Iron 4.4 Interoperability with QLogic Adapters and Switches Matrix

QLogic Adapter	QLogic Switches
QLogic QLE256x Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV 9008V
Table Notes Virtual Iron supports standard SAN hardware connected to these Adapters.	

Source: Virtual Iron 9/22/08; QLogic 10/23/08, 1/27/09

VMware

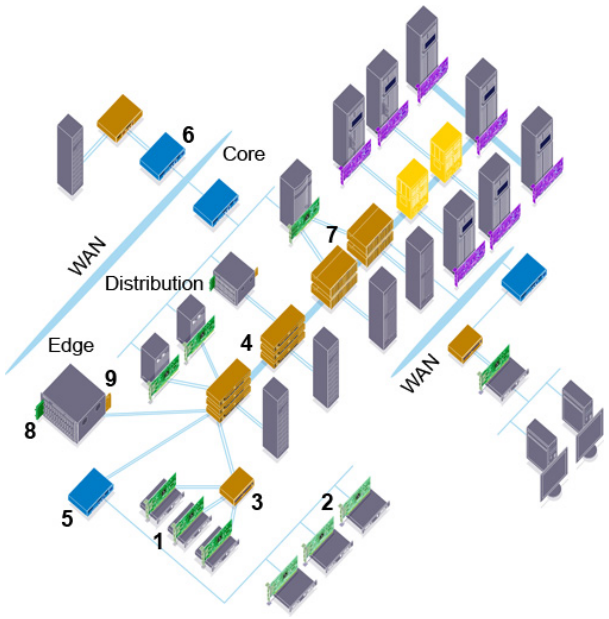
www.vmware.com

VMware and the QLogic Platform

VMware products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-483. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-483. VMware and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
✓	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
	5 iSR6140 and iSR62*xx* Routers
	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



VMware and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from VMware.

- Table 2-484. VMware ESX and ESXi Server Interoperability with QLogic Adapters Matrix
- Table 2-485. VMware ESX Server Interoperability with QLogic Switches Matrix

Table 2-484. VMware ESX and ESXi Server Interoperability with QLogic Adapters Matrix

Company	QLogic Adapter	ESX Server					ESXi Server
		3.0	3.0.1	3.0.2	3.0.3	3.5	3.5
Dell	QLA2340-DEL-SP QLA2342-DEL-SP QLE2460-DEL-SP	X	X	X	X		
	QLE2462-DEL-SP QLE2464-DEL-SP Dual-Port 2Gb Fibre Channel Adapter for Dell PowerEdge 1855 and 1955 Blade Servers (Dell CN040) (QME2462)	X	X	X	X	X	X
	QLE2560-DEL-SP QLE2562-DEL-SP Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)					X	X
EMC	QLA2340-E-SP QLA2342-E-SP QLA2460-E-SP QLA2462-E-SP QLE2460-E-SP QLE2462-E-SP	X	X	X	X	X	X
	QLE2560-E-SP QLE2562-E-SP					X	X
Fujitsu Siemens Computers	QLA2340 QLA2342	X	X	X	X	X	X

Table 2-484. VMware ESX and ESXi Server Interoperability with QLogic Adapters Matrix (Continued)

Company	QLogic Adapter	ESX Server					ESXi Server
		3.0	3.0.1	3.0.2	3.0.3	3.5	3.5
HDS	QLA2340-HDS-SP QLA2342-HDS-SP QLA2460-HDS-SP QLA2462-HDS-SP QLE2460-HDS-SP QLE2462-HDS-SP	X	X	X	X	X	X
HP	FC1143 (QLA2460-HP-SP) FC1243 (QLA2462-WLX-HP-SP) FC1142SR (QLE2460-HP-SP) FC1242SR (QLE2462-HP-SP) FCA2210 FC (QLA2340-NW-CPQ-SP) FCA2214 (QLA2340-WLX-HP-SP) FCA2214DC (QLA2342-WLX-HP-SP) HP Dual Port 1Gb iSCSI Expansion Card for HP c-Class BladeSystem (HP 488074-B21) (QMH4062) QLogic-based Fibre Channel Mezzanine Adapter for BL20p G2 (300874-B21) QLogic-based Fibre Channel Mezzanine Adapter for BL20p G3/BL20p G4 (361426-B21) QLogic-based Fibre Channel Mezzanine Adapter for BL25p/BL45p (381881-B21) QLogic-based Fibre Channel Mezzanine Adapter for BL30p/BL35p (354054-B21) QLogic-based Fibre Channel Mezzanine Adapter for BL460c/BL465c/BL480c (QMH2462-HP-BK)	X	X	X	X	X	X
	HP 81Q (HP AK344K) (QLE2560-HP-SP) HP 82Q (HP AJ764A) (QLE2562-HP-SP)					X	X

Table 2-484. VMware ESX and ESXi Server Interoperability with QLogic Adapters Matrix (Continued)

Company	QLogic Adapter	ESX Server					ESXi Server
		3.0	3.0.1	3.0.2	3.0.3	3.5	3.5
IBM	IBM 4Gb DS4000 Adapter (39M5894) (QLA2460) IBM 4Gb DS4000 Adapter (39M5895) (QLA2462) QLogic 4Gb FC Single-Port PCIe Adapter for IBM System (39R6525) (QLE2460) QLogic 4Gb FC Dual-Port PCIe Adapter for IBM System x (39R6527) (QLE2462) QLogic 4Gb SFF FC Expansion Card for BladeCenter (QMC2462S) QLogic 4Gb Standard Fibre Channel Expansion Card for IBM BladeCenter (QMC2462) QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter (IBM 41Y8527) (QMI2472) QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) (IBM 39Y9306) (QMI3472)	X	X	X	X	X	X
	IBM iSCSI Adapter (03N6058, 30R5501) (QLA4050)		X			X	X
	IBM iSCSI Adapter (03N6056, 30R5201) (QLA4050C)		X	X		X	X
	QLogic iSCSI Expansion Card (IBM 26K6487) (QMC4052)		X	X	X	X	X
	QLogic iSCSI Expansion Card (IBM 32R1923) (QMC4052R)	X	X	X	X	X	X
	QLogic 8Gb FC Single Port Adapter for IBM System (42D0501) (QLE2560) QLogic 8Gb FC Dual Port Adapter for IBM System (42D0510) (QLE2562) QLogic iSCSI Single-Port PCIe Adapter for IBM System x (39Y6146) (QLE4060C) QLogic iSCSI Dual-Port PCIe Adapter for IBM System x (42C1770) (QLE4062C)					X	X

Table 2-484. VMware ESX and ESXi Server Interoperability with QLogic Adapters Matrix (Continued)

Company	QLogic Adapter	ESX Server					ESXi Server
		3.0	3.0.1	3.0.2	3.0.3	3.5	3.5
QLogic	QLA2300		X	X	X	X	X
	QLA231x QLA2310 QLA2310F QLA2310FL QLA2312 QLA2340 QLA2340L QLA2342 QLA2344 QLA2440 QLA2460 QLA2462 QLE2460 QLE2462	X	X	X	X	X	X
	QLA2342L QLE256x QLE4060C QLE4062C					X	X
	QLA4010	X					
	QLA4050					X	X
	QLA4050C QLA4052C	X	X	X	X	X	X

Table 2-484. VMware ESX and ESXi Server Interoperability with QLogic Adapters Matrix (Continued)

Company	QLogic Adapter	ESX Server					ESXi Server
		3.0	3.0.1	3.0.2	3.0.3	3.5	3.5
Sun Microsystems	SG-XPCI1FC-QF4 (QLA2460-SUN-XO)	X	X	X	X		
	SG-XPCI1FC-QL2 (QLA2340-SUN-XO) SG-XPCI1FC-QF2 (X6767A) (QLA2310F-CK) SG-XPCI2FC-QF2 (X6768A) (QLA2342-CK) SG-XPCI2FC-QF2-Z (QLA2342R-SUN-XO) SG-XPCI2FC-QF4 (QLA2462-SUN-XO) SG-XPCIE1FC-QF4 (QLE2460-SUN-XO) SG-XPCIE2FC-QF4 (QLE2462-SUN-XO) QEM2462 Dual Port 4-Gb Fibre Channel ExpressModule (Sun SG-XPCIE2FC-QB4-Z)	X	X	X	X	X	X
	QEM3472 Dual Port 4-Gb Fibre Channel and Dual Port 1-Gb Ethernet Combo ExpressModule for Sun Blade 6000 and 8000 Servers (Sun SG-XPCIE2FCGBE-Q-Z)			X	X	X	X
	SG-XPCIE1FC-QF8-Z (QLE2560-SUN-XO) SG-XPCIE2FC-QF8-Z (QLE2562-SUN-XO)					X	X

Source: VMware 3/2/09

VMware I/O Compatibility Guide, March 1, 2009

Table 2-485. VMware ESX Server Interoperability with QLogic Switches Matrix

QLogic Switch
1400 520x 560x 560xQ 580xV 9000 9008V

Source: VMware 9/8/08; QLogic 10/23/08

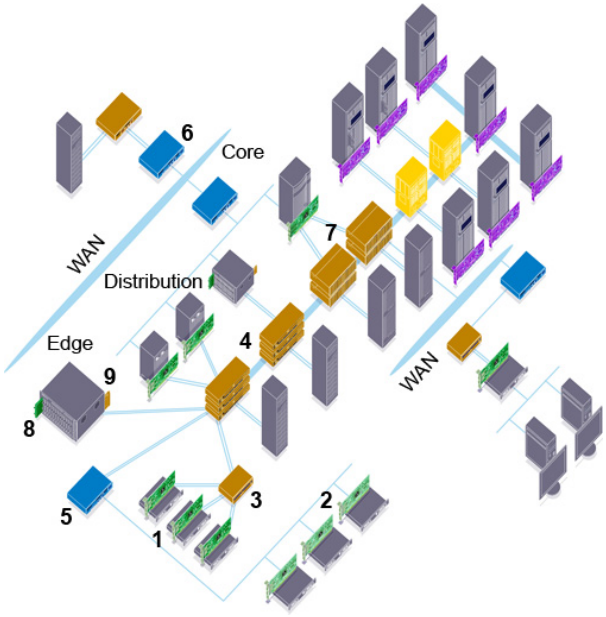
WildPackets

www.wildpackets.com

WildPackets and the QLogic Platform

WildPackets® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-486. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-486. WildPackets and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

WildPackets and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from WildPackets.

Table 2-487. WIldPackets Product Interoperability with QLogic Fibre Channel Adapters Matrix

WildPackets Product	Operating System	QLogic Adapter
OmniEngine	Linux Windows	QLE2462
OmniPliance	Linux Red Hat 5.2 Windows 2003	QLE256*x*

Source: WildPackets 8/6/08 Updated: 04/27/09

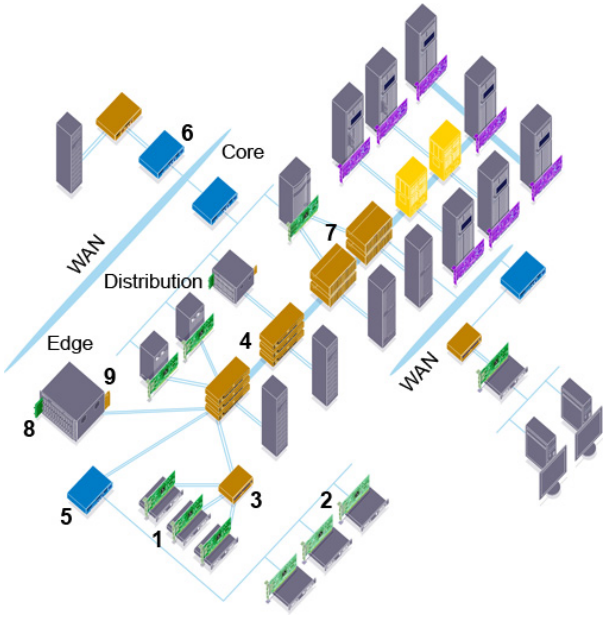
Winchester Systems

www.winsys.com

Winchester Systems and the QLogic Platform

Winchester Systems® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-488. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-488. Winchester Systems and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
	5 iSR6140 and iSR62*xx* Routers	
	6 iSR6142 and iSR62*xx* Routers	
	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Winchester Systems and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Winchester Systems.

Table 2-489. Winchester Systems FlashDisk Series Interoperability with QLogic Fibre Channel Adapters and Switches Matrix

Winchester Systems Product	Operating System	QLogic Adapter	QLogic Switch
FlashDisk HyperSAN FC Series FC3494R, FC3494S	AIX	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	HP-UX	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Linux	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Mac OS X	QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	NetWare	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Solaris	QCP2340, QCP2342, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	VMware	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Windows	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
FlashDisk SATA SA Series SA3492, SA4578R, SA4578S	AIX	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	HP-UX	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Linux	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Mac OS X	QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	NetWare	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*

Table 2-489. Winchester Systems FlashDisk Series Interoperability with QLogic Fibre Channel Adapters and Switches Matrix (Continued)

Winchester Systems Product	Operating System	QLogic Adapter	QLogic Switch
FlashDisk SATA SA Series SA3492, SA4578R, SA4578S (Continued)	Solaris	QCP2340, QCP2342, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	VMware	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Windows	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
FlashDisk SATA SA Series SA3498R	AIX HP-UX Linux Mac OS X NetWare Solaris VMware Windows	QLA2460, QLA2462, QLE2460, QLE2462	SB560*x*
FlashDisk SATA SX Series SX3494S, SX3498R	AIX	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	HP-UX	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Linux	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	MAC OS X	QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Netware	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Solaris	QCP2340, QCP2342, QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	VMware	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*
	Windows	QLA2310, QLA2340, QLA2342, QLA2344, QLA2460, QLA2462, QLE2460, QLE2462	SB520*x* SB560*x*

Source: Winchester Systems 7/5/07

Xiotech

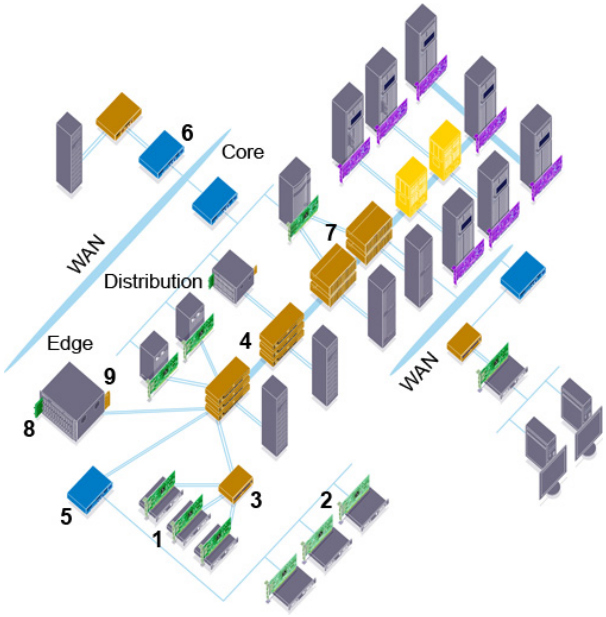
www.xiotech.com

Xiotech and the QLogic Platform

Xiotech products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-490. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-490. Xiotech and QLogic Network Platform

Certified	QLogic Product
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters
✓	2 QL*x*40*xx* iSCSI Adapters
	3 SB140*x* and SB3810 Fibre Channel Switches
✓	4 SB5*xxx* Fibre Channel Switches
✓	5 iSR6140 and iSR62*xx* Routers
✓	6 iSR6142 and iSR62*xx* Routers
✓	7 SB9*xxx* Fibre Channel Switches
✓	8 Blade Server Adapters
	9 Blade Server Switch Modules



Xiotech and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Xiotech.

- Table 2-491. Xiotech Product Interoperability with QLogic 8Gb Adapters and Switches Matrix
- Table 2-492. Xiotech Magnitude Interoperability with QLogic Adapters Matrix
- Table 2-493. Xiotech Magnitude 3D 1000 Interoperability with QLogic Adapters Matrix
- Table 2-494. Xiotech Magnitude 3D 3000 Interoperability with QLogic Adapters Matrix
- Table 2-495. Xiotech Magnitude and Magnitude 3D Interoperability with QLogic Switches and Routers Matrix

QLogic provides the chipsets for implementation in Magnitude adapters.

Table 2-491. Xiotech Product Interoperability with QLogic 8Gb Adapters and Switches Matrix

Xiotech Product	Operating System	QLogic Adapter	QLogic Switch
Emprise 7000 Magnitude 3D 3000 Magnitude 3D 4000	Windows Server 2008	QLogic QLE256x Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV 9008V

Source: Xiotech 11/7/08; QLogic 1/27/09

Table 2-492. Xiotech Magnitude Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter	Magnitude Version
IRIX 6.5.15f	QLA2342	11.01 11.02
NetWare 5.1 SP7 NetWare 6.0 SP5 NetWare 6.5 SP3	QLA2310F QLA234x	11.01 11.02
Red Hat Linux 8 Red Hat Linux Advanced Server 2.1 Red Hat Enterprise Linux Advanced Server 3.0	QLA2310F QLA234x	11.01 11.02
Solaris 7, 10	QLA2310F QLA234x	11.01 11.02

Table 2-492. Xiotech Magnitude Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter	Magnitude Version
Solaris 8	QLA2310F QLA234x QSB234x	11.01 11.02
SuSE Linux SLES 8.0 SP3	QLA2310F	11.01 11.02
SuSE Linux SLES 9.0 SP2	QLA2310F QLA234x	11.01 11.02
SUSE United Linux 1.0	QLA2310F	11.01
VMware ESX Server 2.0.0	QLA2310F	11.01
VMware ESX Server 2.5.0	QLA2310F	11.01 11.02
Windows 2000 SP4	QLA2310F QLA234x	11.01 11.02
Windows 2003	QLA2310F QLA234x	11.01
Windows 2003 SP1	QLA2310F QLA234x QLA2460	11.01 11.02
Windows 2003 x86 64-bit SP1	QLA2340	11.01 11.02
Windows NT 4.0 SP6a Windows XP Pro SP2	QLA2310F QLA234x	11.01 11.02

Source: Xiotech Corporation 5/31/06

Table 2-493. Xiotech Magnitude 3D 1000 Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter	Magnitude 3D 1000 Version
IRIX 6.5.15f	QLA2342	3.14 3.15 3.21
NetWare 5.1 SP7 NetWare 6.0 SP5 NetWare 6.5 SP3	QLA2310F QLA234x	3.14 3.15 3.21

Table 2-493. Xiotech Magnitude 3D 1000 Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter	Magnitude 3D 1000 Version
NetWare 6.5 SP2	QLA2310	3.13
Red Hat Linux 8 Red Hat Advanced Server 2.1	QLA2310F QLA234x	3.14 3.15 3.21
Red Hat Linux Enterprise Linux Advanced Server 3.0	QLA2310F	3.14 3.15 3.21
	QLA234x	3.13 3.14 3.15 3.21
Solaris 7, 10	QLA2310F QLA234x	3.13 3.14 3.15 3.21
Solaris 8	QLA2310F QLA234x QSB234x	3.13 3.14 3.15 3.21
SuSE Linux SLES 8.0 SP3	QLA2310F	3.14 3.15 3.21
SuSE Linux SLES 9.0 SP2	QLA2310F QLA234x	3.14 3.15 3.21
SUSE United Linux 1.0	QLA2310F	3.13
VMware ESX Server 2.0.0	QLA2310F	3.13
VMware ESX Server 2.5.0	QLA2310F	3.14 3.15 3.21
Windows 2000 SP4	QLA2310F QLA234x	3.13 3.14 3.15 3.21
Windows 2003	QLA2310F QLA234x	3.13

Table 2-493. Xiotech Magnitude 3D 1000 Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter	Magnitude 3D 1000 Version
Windows 2003 SP1	QLA2310F QLA234x QLA2460 QLE2460	3.14 3.15 3.21
	QLA4052C	3.31
Windows 2003 x86 64-bit SP1	QLA2340	3.14 3.15 3.21
Windows NT 4.0 SP6a Windows XP Pro SP2	QLA2310F QLA234x	3.14 3.15 3.21

Source: Xiotech Corporation 5/31/06; QLogic Corporation 10/11/06

Table 2-494. Xiotech Magnitude 3D 3000 Interoperability with QLogic Adapters Matrix

Operating System	QLogic Adapter	Magnitude 3D 3000 Version
IRIX 6.5.15f	QLA2342	4.1 4.21 4.22
NetWare 5.1, SP7	QLA2310F QLA234x	4.1 4.21 4.22
NetWare 5.1, SP8	QLA2310F QLA234x	4.1 4.21 4.22 4.3 5.02
NetWare 6.0 SP5	QLA2310F QLA234x	4.1 4.21 4.22 4.3 5.02
NetWare 6.5	QLA2340	5.05
NetWare 6.5 SP2	QLA2310	4

Table 2-494. Xiotech Magnitude 3D 3000 Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter	Magnitude 3D 3000 Version
NetWare 6.5 SP3	QLA2310F QLA234x	4.1 4.21 4.22
NetWare 6.5 SP5	QLA2310F QLA234x	4.1 4.21 4.22 4.3 5.02
Red Hat Linux 8 Red Hat Linux AS 2.1	QLA2310F QLA234x	4.1 4.21 4.22
Red Hat Enterprise Linux AS 3.0	QLA2310F	4.1 4.21 4.22 4.3 5.02
	QLA234x	4 4.1 4.21 4.22 4.3 5.02
Red Hat Enterprise Linux AS 4.0 x86	QLE246x	5.07
Red Hat Enterprise Linux AS 4.0, Update 2	QLA234x	5.02
Red Hat Enterprise Linux Advanced Server 4.0, Update 4	QLE2460	5.05
Solaris 7	QLA2310F QLA234x	4 4.1 4.21 4.22
Solaris 8	QLA2310F QLA234x QSB234x	4 4.1 4.21 4.22 4.3 5.02

Table 2-494. Xiotech Magnitude 3D 3000 Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter	Magnitude 3D 3000 Version
Solaris 9	QLA2310F QLA234x	4.1 4.21 4.22 4.3 5.02
Solaris 10	QLA234x	4.1 4.21 4.22 4.3 5.02
	QLA2460	5.05
SuSE Linux SLES 8.0 SP3	QLA2310F	4.1 4.21 4.22
SuSE Linux SLES 8.0 SP4	QLA2310F	4.1 4.21 4.22 4.3 5.02
	QLA234x	5.02
SuSE Linux SLES 9.0 SP2	QLA2310F QLA234x	4.1 4.21 4.22 4.3 5.02
SUSE United Linux 1.0	QLA2310F	4
VMware ESX Server 2.0.0	QLA2310F	4
VMware ESX Server 2.5.0	QLA2310F	4.1 4.21 4.22 4.3
Windows 2000 SP4	QLA2310F QLA234x	4 4.1 4.21 4.22 4.3 5.02

Table 2-494. Xiotech Magnitude 3D 3000 Interoperability with QLogic Adapters Matrix (Continued)

Operating System	QLogic Adapter	Magnitude 3D 3000 Version
Windows 2003	QLA2310F QLA234x	4
Windows 2003 SP1	QLA2310F QLA234x QLA2460 QLE2460	4.1 4.21 4.22 4.3 5.02
	QLA4010C	5.01
	QLE2460	5.05
Windows 2003 x86 64-bit SP1	QLA2340	4.1 4.21 4.22 4.3 5.02
	QLA246x	5.07
Windows NT 4.0 SP6a Windows XP Pro SP2	QLA2310F QLA234x	4.1 4.21 4.22
Windows Server 2003 R2 (IA32)	QLE246x	5.07

Source: Xiotech Corporation 5/31/06; QLogic Corporation 4/18/07, 9/27/07

QLogic Certification Test Report, 6142 Phase II, QLogic Network Certification Lab. April 5, 2007

Xiotech Compatibility Test Engineering (CTE), QLogic Switch Validation Test Plan, Magnitude 3D 3000, QLogic Network Certification Lab. September 25, 2007

Table 2-495. Xiotech Magnitude and Magnitude 3D Interoperability with QLogic Switches and Routers Matrix

Xiotech Product	QLogic Switch/Router
Magnitude 3D 3000 v5.05	520x Switches 560x Switches QLogic 9000 Switches
Magnitude 3D 3000 v5.07	560x Switches 6142 Router
Magnitude 3D 1000 v3.31	6140 Router
Magnitude 3D v3.11	560x Switches

Table 2-495. Xiotech Magnitude and Magnitude 3D Interoperability with QLogic Switches and Routers Matrix

Xiotech Product	QLogic Switch/Router
Magnitude v10.x Magnitude 3D v3.0	520x Switches

Source: Xiotech Corporation 3/24/06; QLogic Corporation 10/11/06, 4/18/07, 9/27/07

QLogic Certification Test Report, 6142 Phase II, QLogic Network Certification Lab. April 5, 2007

Xiotech Compatibility Test Engineering (CTE), QLogic Switch Validation Test Plan, Magnitude 3D 3000, QLogic Network Certification Lab. September 25, 2007

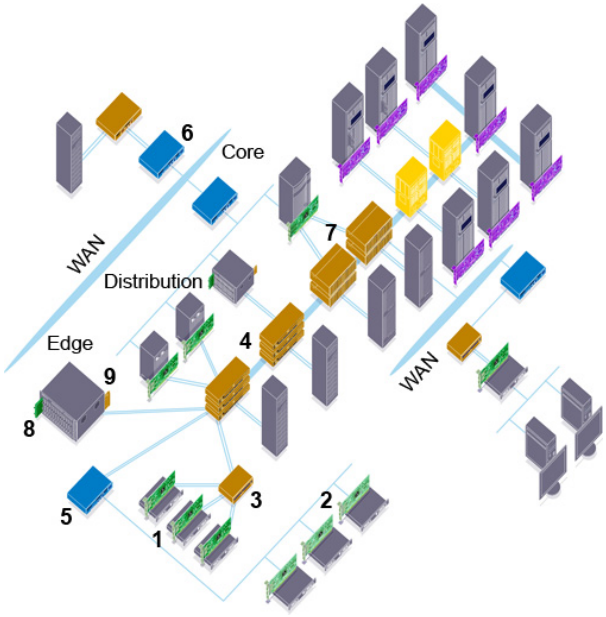
Xyratex

www.xyratex.com

Xyratex and the QLogic Platform

Xyratex® products interoperate with QLogic network components as indicated by a checkmark in the **Certified** column of Table 2-496. For details about the QLogic network platform and QLogic products, visit http://www.qlogic.com/Products/Pages/products_landingpage.aspx.

Table 2-496. Xyratex and QLogic Network Platform

Certified	QLogic Product	
✓	1 QL*x*2300/2400/2500 Fibre Channel Adapters	
	2 QL*x*40*xx* iSCSI Adapters	
✓	3 SB140*x* and SB3810 Fibre Channel Switches	
✓	4 SB5*xxx* Fibre Channel Switches	
✓	5 iSR6140 and iSR62*xx* Routers	
✓	6 iSR6142 and iSR62*xx* Routers	
✓	7 SB9*xxx* Fibre Channel Switches	
	8 Blade Server Adapters	
	9 Blade Server Switch Modules	

Xyratex and QLogic Interoperability Matrices

The following interoperability information has been provided by or obtained from Xyratex.

- Table 2-497. Xyratex Product Interoperability with QLogic Adapters, Switches, and Routers Matrix
- Table 2-498. Xyratex's nStor NexStor Interoperability with QLogic Adapters Matrix
- Table 2-499. Xyratex's nStor NexStor Interoperability with QLogic Switches Matrix

Table 2-497. Xyratex Product Interoperability with QLogic Adapters, Switches, and Routers Matrix

Xyratex Product	Operating System	QLogic Adapter	QLogic Switches and Routers
OneStor F6500E	Mac OS X Red Hat Linux Solaris SuSE Linux Windows 2008 Windows 2003	QLogic QLE256x Dell Dual Port 8Gb FC to PCIe Expansion Card for Dell PowerEdge Blade Servers (Dell R112D) (QME2572)	580xV 9008V
RS-1220-F4-5402 (also known as F5402E, FS5402E)		QLogic QLA2310, QLA2342, QLA246x, QLE246x	1400 Switches 520x Switches 560x Switches 9000 Switches
RS-1600-FC RS-1600-FFX RS-1600-FFX2 RS-1600-X24		QLogic QLA2300, QLA2310, QLA2342	
RS-1600/2-F4-SBD (also known as RS-1600/2-F4)		QLogic QLA2310, QLA2342, QLA246x, QLE246x	1400 Switches 520x Switches 560x Switches iSR6140 Routers iSR6142 Routers 9000 Switches
RS-1600/2-FC-SBD (also known as RS-1600/2-FC, RS-1600-FC)		QLogic QLA2300, QLA2310, QLA2342, QLA246x, QLE246x	1400 Switches 520x Switches 560x Switches 9000 Switches

Table 2-497. Xyratex Product Interoperability with QLogic Adapters, Switches, and Routers Matrix (Continued)

Xyratex Product	Operating System	QLogic Adapter	QLogic Switches and Routers
SS-1201-FC SS-1202-FC SS-1202-FC-RAID		QLogic QLA2300, QLA2310, QLA2342	
Table Notes aThe 9000 is compatible, not qualified.			

Source: Xyratex 1/2/07, 2/2/07, 3/31/08, 11/7/08, 11/12/08; QLogic 1/27/09

Table 2-498. Xyratex's nStor NexStor Interoperability with QLogic Adapters Matrix

QLogic Adapter	NexStor Model
QLA2300 (LC only) QLA2310 (LC only) QLA2340 QLA2342 QSB2340 QSB2342	4000F, 4100F, 4200F, 4300F, 4500F, 4700F
QLA2344	4000F, 4300F, 4500F, 4700F

Source: nStor Corporation, Inc. 2/11/04

Table 2-499. Xyratex's nStor NexStor Interoperability with QLogic Switches Matrix

QLogic Switch	NexStor Model
520x	4000F, 4300F, 4500F, 4700F

Source: nStor Corporation, Inc. 2/11/04

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