

AWARD-WINNING CONNECTIVITY SOLUTIONS IDEAL FOR CUSTOMERS DEMANDING:

- Record Setting Transaction Processing Power
- Maximum Bandwidth Performance
- Industry Leading Interoperability: Widely tested and approved, #1 HBA supplier in the industry with over 1.6 million HBAs worldwide
- Robust Features: Large Data Buffer, Large Context Info Cache, CPU Offload
- Ease of SAN Management: Firmware Upgradeable, Hardware Independent, Driver Compatibility Across Generations

For testimonials and references underpinning these features and more, go to:
www.emulex.com/products/white/fc/hotbuttons.html

LightPulse™ 2 Gb/s Fibre Channel Host Bus Adapters
Certified by

#1 HBA Supplier to HP

Hewlett-Packard

EMULEX & HP: STRATEGIC PARTNERS FOR SUCCESS

- Emulex is the world leading supplier of HBAs
- Emulex has been the #1 supplier of HBAs to HP since 1996.
- Emulex is the #1 supplier of embedded storage switches to HP
- Emulex has invested in a multi-million dollar HP interoperability lab dedicated to the testing and co-qualification of product exclusively for HP

WHAT'S NEW

- HP qualifies the LP10000 family of Emulex HBAs (Thor technology)
 - **FCA2684** and **FCA2684DC** for Tru64/OpenVMS environment
 - **A7387A**, **A7388A**, **AB467A** and **AB468A** for Windows environment
 - Integrated, low-profile, single and dual channel HBAs
 - Record setting performance
 - Multi OS support
- Emulex announces support for Intel's 64-bit Extension technology
- Emulex achieves certification for use with RedHat Enterprise Linux platforms

WHY HP CUSTOMERS CHOOSE EMULEX

- Simplified Management**
 - Unique Firmware based architecture – FC Protocol and Standards are under firmware control, enabling new features and/or performance enhancements
- Compatibility**
 - HP offers qualified, single and dual channel, Emulex HBAs for StorageWorks arrays, tape libraries, ProLiant servers, Integrity servers and AlphaServer systems
 - Emulex award-winning HBAs are the most broadly certified HBAs available: Certified across a broad range of OS environments including HP-UX, Tru64/OpenVMS, Windows (32/64-bit), Linux (32/64-bit), NetWare and Solaris
- Exceptional Performance**
 - Dedicated on-board processor minimizes server CPU utilization
 - Hardware context cache (enabling up to 2048 concurrent I/Os) and buffer-to-buffer credits (up to 64), combined with a dedicated on-board processor, enables high sustained performance in complex SANs
- Investment Protection**
 - Driver independent, firmware upgradeable architecture allows installed base of Emulex HBAs to be updated, protecting investment by preventing technical obsolescence

NEW!

NEW!

2 Gb/s PCI-X
Single Channel,
A7388A, FCA2684

2 Gb/s
PCI-X
Dual Channel
A7387A,
AB467A,
AB468A,
FCA2684DC

2 Gb/s PCI
Dual Channel
FCA2355

2 Gb/s PCI-X
Single Channel
FCA2384, FCA2404,
FCA2408, AB232A,
A7298A

2 Gb/s PCI Single Channel
FCA2354, FCA2101

2 Gb/s PCI-X Dual Channel
FCA2404DC



www.emulex.com

invent

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HP Servers

HP Fibre Channel Host Bus Adapters(HBAs)

Hewlett Packard Product	Operating System	HP HBA Model No.	HP Part Number	HP Certified Emulex HBA
ProLiant Server (ML/DL) Family ¹	Windows 2000 Windows NT	See HP Storage section	See HP Storage section	See Cross Reference Matrix Below
ProLiant BL40p	Windows 2000 & NT Windows 2000 & 2003 Server	FCA2101, A7388A, A7387A FCA2404, A7388A, A7387A	245299-B21, A7388A, A7387A 305573-B21, A7388A, A7387A	
Alpha Server	TRU64 UNIX OpenVMS	See HP Storage section	See HP Storage section	
HP Integrity rx2600 & rx5670	Windows Server 2003 (64-bit) Linux (64-bit)	AB232A, AB467A, AB468A A7298A	3R-A4133-AA or 305573-B21, AB467A, AB468A N/A	
HP Integrity rx4640	Linux (64-bit)	A7298A	N/A	
HP 9000 rp2400 Series Servers	HP-UX 11i v1	N/A	N/A	
HP 9000 rp5400 Series Servers	HP-UX 11i v1	N/A	N/A	
HP 9000 rp7400 Server	HP-UX 11i v1	N/A	N/A	
HP 9000 rp7410 Server	HP-UX 11i v1	N/A	N/A	
HP 9000 rp8400 Server	HP-UX 11i v1	N/A	N/A	
HP 9000 Superdome Server	Windows Server 2003 (64-bit) HP-UX 11i v1	AB232A, A7388A, A73887A N/A	305573-B21, A7388A, A73887A N/A	HP provides custom versions of Emulex HBAs LP9002L, LP9002DC - Certified for HP-UX ²

1. Check HP for specific server model 2. Visit http://h21007.www2.hp.com/dspp/tech/tech_TechSoftwareDetailPage_IDX/1,,991,00.html for details on "CERTIFIED FOR HP-UX"

HP NAS

HP SureStore NAS 8000	Linux	FCA2101	3R-A3515-AA or 245299-B21	HP provides custom versions of Emulex HBAs
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HP Storage

Hewlett Packard Product	Operating System	HP HBA Model No.	HP Certified Emulex HBA
StorageWorks XP Storage Array	Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) Windows 2000 Windows NT Linux (64-bit)	FCA2404, FCA2408, FCA2101, A7388A, A7387A AB232A, AB467A, AB468A FCA2355, FCA2408, FCA2101, A7388A, A7387A FCA2355, A7388A, A7387A A7298A	See Cross Reference Matrix Below
StorageWorks VA Storage Array	Windows Server 2003 (64-bit) Linux (64-bit)	AB232A, AB467A, AB468A A7298A	
StorageWorks Enterprise Virtual Array (EVA3000 & EVA5000)	Windows Server 2003 (32-bit) Windows Server 2003 (64-bit) Windows 2000 Windows NT Tru64 UNIX & Open VMS	FCA2404, FCA2404DC, FCA2408, A7388A, A7387A AB232A, AB467A, AB468A FCA2101, FCA2404DC, FCA2408, FCA2355, A7388A, A7387A FCA2101, A7388A, A7387A FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks RAID Array 6000	Tru64 UNIX & Open VMS	FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks RAID Array 8000	Windows 2000/NT Tru64 UNIX & Open VMS	FCA2101, FCA2355, A7388A, A7387A FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks Enterprise Storage Array 12000	Windows 2000/NT Tru64 UNIX & Open VMS	FCA2355, FCA2101, A7388A, A7387A FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks Modular Storage Array 1000	Windows Server 2003 (64-bit) Windows 2000/NT Linux (64-bit)	AB232A, AB467A, AB468A FCA2101, A7388A, A7387A A7298A, AB467A, AB468A	
StorageWorks Modular Array 6000	Windows 2000/NT Tru64 UNIX & Open VMS	FCA2355, A7388A, A7387A FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks Modular Array 8000	Windows 2000/NT Tru64 UNIX & Open VMS	FCA2101, FCA2355, A7388A, A7387A FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks Enterprise Modular Array 12000	Windows 2000/NT Tru64 UNIX & Open VMS	FCA2101, FCA2355, A7388A, A7387A FCA2354, FCA2384, FCA2684, FCA2684DC	
StorageWorks Enterprise Modular Array 16000 HSG80	Windows 2000/NT Windows Server 2003 (32-bit) & Windows 2000	FCA2101, FCA2355, A7388A, A7387A FCA2404DC, FCA2408, FCA2355, FCA2101, A7388A, A7387A	

Backup Solutions

Hewlett Packard Product	Operating System	HP HBA Model No.	Emulex Certified HBA
Enterprise Backup Solutions (EBS)	Windows 2000/NT	FCA2101, FC2354, A7388A, A7387A	HP provides custom versions of Emulex HBAs

HP & Emulex Fibre Channel HBA Cross Reference Matrix - HP provides custom version of Emulex HBAs with complete service, support and warranty coverage.

HP HBA Model No.	HP Part Number	Emulex HBA Mdl No.*	HP HBA Model No.	HP Part Number	Emulex HBA Mdl No.*	HP HBA Model No.	HP Part Number	Emulex HBA Mdl No.*
DS-KGPSA-CA	DS-KGPSA-CA	LP8000	AB467A	AB467A	LP1050DC	FCA2404DC	323264-B21	LP9802DC
DS-KGPSA-CB	DS-KGPSA-CB	LP8000	AB468A	AB468A	LP1050DC	FCA2404	305573-B21	LP9802
A7298A	A7298A	LP982	FCA2101	245299-B21	LP952L	FCA2408	343073-B21	LP982
AB232A	305573-B21	LP9802	FCA2354	261329-B21	LP9002L	FCA2684	366911-B21	LP10000
A7387A	A7387A	LP1050DC	FCA2355	308540-B21	LP9002DC	FCA2684DC	366912-B21	LP10000DC
A7388A	A7388A	LP1050	FCA2384	302784-B21	LP9802			

* For more Emulex product specifications, visit: <http://www.emulex.com/products/fc/index.html>

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