



CRD - 7240

Fibre Channel / Ultra160 SCSI CMD Titan™ RAID Controller



The CRD-7240 Fibre Channel-to-Ultra160 SCSI RAID controller utilizes the third generation

CMD Titan architecture to provide high-end availability, performance and fault-tolerance to data intensive, mission-critical applications. It features

single or dual hot-pluggable controller

configurations with active/active or active/passive

flexibility and delivers superior performance via dual 100 MB/sec Fibre Channel host channels and four 160 MB/sec Ultra160 SCSI disk channels. Enclosed in a cost-effective, compact 5.25" full height canister, the entire unit installs easily into most industry standard enclosures. Because the CRD-7240 is OS independent, no special software or custom drivers are required.

Features such as mirrored cache memory, online RAID level migration, and RAID set expansion, are complemented by advanced capabilities like non-disruptive online firmware updates, SANmask™ host LUN masking, and AutoRebind (automatic failback and load balancing). Together, the CRD-7240's many features make it perfect for high-availability environments, including storage area networks (SANs) and clustering.

Key Benefits

The CRD-7240 was designed with two generations of storage controller experience. With features typically found in more expensive, captive storage solutions, it ensures the highest levels of data integrity and availability. CMD Titan architecture fully supports today's leading-edge storage interfaces, like Fibre Channel and Ultra160 SCSI, to attain exceptional RAID performance for I/O intensive applications.

Advanced Features

- Dual 100 MB/sec FC host channels
- Four 160 MB/sec Ultra160 SCSI Low Voltage Differential (LVD) disk channels
- Single controller or dual redundant, active/active controller configurations
- Auto-failover and AutoRebind™
- SANmask™ Host LUN masking
- Up to one gigabyte of ECC protected cache memory
- Hot-pluggable controllers and fans
- Non-disruptive online firmware updates
- RAID levels 0, 1, 0+1, 3, 5 plus JBOD
- Online RAID level migration
- SAF-TE and SES enclosure management protocols
- Online RAID set expansion
- Titan RAID Management Software (RMS) graphical user interface
- Compact 5.25", full height form factor
- Support for up to 56 SCSI disk drives
- OS independent

GENERAL

System Architecture	233 MHz SA-110 StrongARM™ RISC CPU; Internal 32-bit and 64-bit data paths
Host Bus Interface	Dual 100 MB per second Fibre Channel Arbitrated Loops (FCAL) with header style copper connectors
Disk Bus Interface	Four 160 MB per second Ultra 160 Low Voltage Differential (LVD) channels
Cache	Up to one gigabyte using two industry standard 168-pin, unbuffered ECC SDRAM DIMMs per controller - up to 512 MB when mirrored
Operating Systems Supported	Most operating systems supporting standard SCSI protocols with a block size of 512 bytes and SCSI LUNs

ENVIRONMENTAL

Temperature	0° C to 40° C operating, -40° C to 60° C non-operating ambient
Relative Humidity	10% to 85% non-condensing (operating), 5% to 90% non-condensing (non-operating)

PHYSICAL

Dimensions	10.6" deep, 5.75" wide, 3.4" high
Weight	Approximately 8 Lbs. (redundant configuration)
Power Requirements	5VDC @ 12 amps peak (both controllers installed)

Specifications subject to change without notice.

Ordering Information

CRD-107240-120	Single six channel FC/UI60 controller, canister, black
CRD-107240-220	Dual six channel FC/UI60 controllers, canister, black
ORD-007240-100	OEM, board-only version



Also available in Beige



MEMBER



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