Fibre Channel / Fibre Channel
CMD Titan™ RAID Controller

The CRD-7400 Fibre Channel-to-Fibre Channel 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 dual 100 MB/sec Fibre Channel 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-7400 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). Together, the CRD-7400's many features make it perfect for high-availability environments, including storage area networks (SANs) and clustering.

Key Benefits

The CRD-7400 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. The CRD-7400 implements today's leading-edge FCAL storage interface, to attain exceptional RAID performance for I/O intensive applications.

Advanced Features

- Dual 100 MB/sec FC host channels
- Dual 100 MB/sec FC disk channels
- Drive side redundant loop support
- Single controller or dual redundant, active/active controller configurations
- Auto-failover and AutoRebind™
- SANmask™ Host LUN masking
- Up to one gigabyte of ECC cache memory
- Hot-pluggable controllers and fans
- Non-disruptive online firmware updates
- Online RAID level migration
- SES enclosure management protocol
- Online RAID set expansion
- Titan RAID Management Software (RMS)
- Compact 5.25", full height form factor
- Support for up to 248 FC 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)
Disk Bus Interface	Dual 100 MB per second Fibre Channel Arbitrated Loops (FCAL)
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
RAID Levels	Supports striping (RAID 0), mirroring (RAID 1), striping & mirroring (RAID 0+1), parity RAID (RAID 3 and RAID 5) and JBOD
Logical Arrays	Up to 32 LUNs per subsystem

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	10.78" deep, 5.75" wide, 3.4" high
Weight	Approximately 8 Lbs. (redundant configuration)
Power Requirements	+5VDC: 10 amps (redundant configuration) +12VDC: 1 amp

Specifications subject to change without notice.

Ordering Information

CRD-107400-120	Single four channel FC/FC controller, canister, black
CRD-107400-220	Dual four channel FC/FC controllers, canister, black
ORD-007400-001	OEM, board-only version with CMD guide rail system

Also available in beige

iRAB®
MEMBER

FCIA
FIBRE CHANNEL INDUSTRY ASSOCIATION

CMD technology

CMD Technology, Inc.
9501 Jeronimo Road
Irvine, CA 92618-2032

Outside CA: 800-426-3832
Inside CA: 949-454-0800
www.cmd.com