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Ultra 160 SCSI-to-SCSI CMD Titan™ RAID Controller

The CRD-7040 Ultra 160 SCSI-to-SCSI RAID controller utilizes the third generation CMD Titan architecture to provide data intensive, mission critical applications with the high-end availability, performance and fault-tolerance they require.



Features such as mirrored cache memory, on-line RAID level migration, and RAID set expansion, are complemented by advanced capabilities like non-disruptive online firmware updates, remote management via Ethernet, and AutoRebind (automatic failback). Together, the CRD-7040's many features make it perfect for high-availability environments, including storage area networks (SANs) and clustering. It features single or dual hot-pluggable controller configurations and redundant power, cooling, UPS, and communication ports to help eliminate single points of failure. Active/active configurations deliver performance with less redundant controller overhead via dual 160 MB/sec Ultra 160 SCSI host channels and dual Ultra 160 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-7040 is OS independent, no special software or custom drivers are required.

Key Benefits

The CRD-7040 was designed with expansion capabilities in mind. It shares a common canister, backplane and failover bus with the Fibre Channel-based CRD-7240 so stocking spare parts is now more efficient. Ideal for single server attached or clustered environments, the CRD-7040 can be upgraded into a CRD-7240 to deliver twice the drive capacity and all the benefits of Fibre Channel.

Advanced Features

- Four Ultra 160 SCSI Low Voltage Differential (LVD) channels
- Single controller or dual redundant, active/active controller configurations
- Auto-failover and AutoRebind™
- Up to one gigabyte of ECC cache memory
- Hot-pluggable controllers and fans
- Non-disruptive online firmware updates
- Online RAID level migration
- SAF-TE & SMART protocol support
- Online RAID set expansion
- Titan RAID Management Software (RMS) graphical user interface
- Compact 5.25", full height form factor
- Support for up to 28 SCSI disk drives
- OS independent
- Board-level version available
- Upgradable to Fibre Channel

GENERAL

System Architecture	233 MHz SA-110 StrongARMTM RISC CPU; Internal 32-bit and 64-bit data paths
Host Bus Interface	Two 160 MB per second Ultra160 Low Voltage Differential (LVD) channels
Disk Bus Interface	Two 160 MB per second Ultra160 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
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 (including front panel), 5.75" wide, 3.4" high
Weight	Approximately 8 Lbs. (redundant configuration)
Power Requirements	+5VDC @ 8 amps (redundant configuration), exclusive of SCSI termination power +12VDC @ 1 amp

Specifications subject to change without notice.

Ordering Information

CRD-007040-100	Single four channel Ultra160 controller, canister, beige
CRD-007040-200	Dual four channel Ultra160 controllers, canister, beige
ORD-007040-001	OEM, board-only version with CMD guide rail system



Also available in black



MEMBER



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