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Fibre Channel / Ultra2 SCSI CMD Titan™ RAID Controller



The CRD-7220 Fibre Channel-to-Ultra2 SCSI RAID controller is a hot-swappable, third generation external RAID controller based on CMD's Titan™ architecture. It provides availability, performance and fault-tolerant features essential to storage solution success for OEMs and system integrators.

Featuring single or dual hot-pluggable controller configurations with active/active or active/passive flexibility, the CRD-7220 delivers superior performance via dual 100 MB/sec Fibre Channel host channels and two 80 MB/sec Ultra2 SCSI disk channels. This compact 5.25" full height canister installs easily into an industry standard disk enclosure. Because the CRD-7220 is OS independent, no special software or custom drivers are required. The CMD Titan architecture's advanced features include mirrored cache memory, RAID set expansion, online firmware updates, SANmask™ host LUN masking, and AutoRebind (automatic failback and load balancing). The CRD-7220's features make it ideal for high-availability environments, including storage area networks (SANs) and clustering.

Key Benefits

With features typically found in more expensive, captive storage solutions, the CRD-7220 ensures the highest levels of data integrity and availability. Included is the all new Titan RAID Management Software (RMS) graphical user interface. This intuitive utility allows users to monitor any CMD Titan controller locally or remotely via TCP/IP and serves as the central management point for all controller operations.

Advanced Features

- Dual 100 MB/sec FC host channels
- Two 80 MB/sec Ultra2 SCSI Low Voltage Differential (LVD) disk channels
- Single controller or dual redundant, active/active controller configurations
- Auto-failover and AutoRebind™ (auto-failback and load balancing)
- SANmask™ host LUN masking
- Up to one gigabyte of ECC protected cache memory
- Hot-pluggable controllers and fans
- Online firmware updates
- RAID levels 0, 1, 0+1, 3, 5 plus JBOD
- 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 28 SCSI disk drives
- Upgrade path to Ultra160 (when available)
- 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) 3-pin header copper connectors |
| Disk Bus Interface | Two 80 MB per second Ultra2 Low Voltage Differential (LVD) SCSI channels - VHDCI connectors |
| 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

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|-------------------|---|
| 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

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|--------------------|---|
| Dimensions | 10.6" deep, 5.75" wide, 3.4" high |
| Weight | Approximately 8 Lbs. (redundant configuration) |
| Color | Available in black or beige |
| Power Requirements | 5 VDC @ 12 amps peak (both controllers installed) |

Specifications subject to change without notice.

Ordering Information

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|----------------|---|
| CRD-007220-120 | Single four channel FC/Ultra2 controller, canister, beige |
| CRD-007220-220 | Dual four channel FC/Ultra2 controllers, canister, beige |
| ORD-007220-000 | OEM, board-only version |

The CRD-7220 chassis, backplane, and front panel are common to the CRD-7240, a FC to Ultra160 Titan RAID system. As a result, the CRD-7220 may be field upgraded to 7240 FC to Ultra160 controllers, when available.

Also available in Black



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