CRA-7280

Fibre Channel/Ultra2 SCSI

CMD Titan™ RAID Controller

CMD's CRA-7280 Titan architecture Fibre Channel-to-Ultra2 SCSI RAID controller provides OEMs and integrators the highest levels of performance, fault-tolerance, and data availability for mid-range and high-end applications. It provides active/active controller redundancy with fully automatic fail-over and fail-back, using CMD's "AutoRebind" feature, and true hot-pluggable controllers, power supplies, and fans for maximum data availability. Advanced features such as mirrored cache, advanced power and media management, and support for SAF-TE® and SES® enclosure management protocols provide state-of-the-art data integrity and availability. Additionally, integrated loop resiliency circuits maintain loop integrity during a controller swap.

The CRA-7280 provides dual 100 MB per second Fibre Channel host interfaces and eight 80 MB per second Ultra2 SCSI Low Voltage Differential (LVD) disk channels, supporting up to 112 high performance disk drives.

Key Benefits

The CRA-7280 RAID controller was designed to provide the ultimate in data integrity, availability, performance, and product serviceability for demanding enterprise class storage environments. It is host and operating system independent and therefore does not require operating system or custom driver modifications. It is packaged in a compact, self-contained 3U-rackmount enclosure with an easily customizable appearance.

Advanced Features

- Up to one gigabyte of mirrored cache
- Active/active and active/passive redundant controller configurations
- Hot-pluggable controllers, fans and power supplies
- Advanced media and power management
- Includes CMD Titan GUI software
- Support for SAF-TE® and SES® enclosure management protocols
- Two 100 MB per second FC host channels with integrated loop resiliency circuits
- Eight 80 MB per second Ultra2 SCSI Low Voltage Differential (LVD) disk channels
- Advanced multi-bus RISC architecture provides the ultimate in performance
- Easily customizable appearance

GENERAL

System Architecture	233 MHz SA-110 StrongARM RISC CPU; Internal 32-bit and 64-bit data paths; XOR, SDRAM control, controller fail-over, PCI-to-PCI bridge functions via CMD custom ASIC
Host Bus Interface	Dual 100 MB per second Fibre Channel Arbitrated Loops (FCAL) available in copper, single-mode and multi-mode fiber implementations
Disk Bus Interface	Eight 80 MB per second Ultra2 SCSI Low Voltage Differential (LVD) channels
Cache	Up to one gigabyte using four industry standard 168-pin, unbuffered, ECC SDRAM DIMMs per controller
Operating Systems Supported	Most operating systems supporting standard SCSI 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)

ELECTRICAL

Input Voltage	90 to 260 VAC
Input Frequency	50 Hz to 60 Hz AC
Input Current	2.0 Amps Max. per AC input (4.0 Amps total) @ 120 VAC 1.0 Amp Max. per AC input (2.0 Amps total) @ 240 VAC

PHYSICAL

Dimensions	Standard 3U rackmount - 20.27" x 19.0" x 5.25" (DxWxH)
Weight	Approximately 48 Lbs. (redundant configuration)

Specifications subject to change without notice.

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