

RAID 16 SPECIFICATION

Features



Direct-attached is the easiest way to add storage to your server. Since most servers have a SCSI interface that is underutilized, simply add the RAID 16 to the spare IDs on the SCSI chain, and your server's storage capacity is increased many times over.

With a capacity topping 4 Terabytes in a mere 4u enclosure, the RAID 16 qualifies as high-density storage. Sixteen 250 GB hard drives are controlled by a 64 Bit RISC processor with 512 MB of RAM. We can set up your system in Raid 0, 1, 3 or 5 configurations, or you can configure your system as desired.

All of this capacity is simple to connect, either through the RAID 16's dual Ultra SCSI connectors or Fibre channels. Triple-redundant power supplies and hot swap fans are included, for high uptime. System status visual indicators warn if there is a problem with drive trays, power supplies or Fans.

Data protection is achieved through several features: The system automatically detects bad drive sectors and reassigns the data. One drive can be set up as a global hot spare, available to fill-in in the event of any single drive failure. In the event of such a failure, the RAID 16 automatically detects that failure and rebuilds the Raid with the hot spare. It can even inform you of this action by audible alarm, *pager* or *fax!*

The RAID 16 boasts transfer rates as high as 160 Mbps SCSI, 2Gb/Sec., Fibre.

Specifications

CPU

Processor	Intel i80303 64 bit RISC CPU
Backplane	Cable-less direct drive connection for reliability
RAM	512 MB
Indicators	LED online, fault, access indicators
Interface	Dual Ultra 3 SCSI or Dual Fibre

Drives

Sizes	Sixteen 250 GB Hard Drives
Interface	EIDE
Compatibility	ATA/100
Access Time	8.5 ms. Average
Transfer Rate	40 MB/sec. peak
Buffer memory	2 Mbytes
Rotational Speed	5,400 RPM

Software

GUI	For Windows 2000/NT
Firmware Upgrades	Embedded manager via RS-232c Via Flash ROM

Enclosure

Size	4u, 17" w x 20" D
Structure	Aluminum for cooling
Fans	Three hot-swap fans modules
Power Supplies	Triple redundant 300 Watt with redundant fans in each module, LED status indicators.

Regulatory

Warranty and Disclaimer	UL, CSA Power Supply, FCC Class A integration Specifications subject to change without notice. All trademarks the property of their respective companies. Warranty: One year parts and labor from date of purchase. This warranty is in lieu of all other express warranties which now or hereafter might otherwise arise with respect to this product, implied warranties, including those of merchantability, fitness for a particular purpose and non-infringement shall (A) have no greater duration than 1 year from the date of purchase (B) terminate automatically at the expiration of such period and (C) to the extent permitted by law be excluded. In the event this product becomes defective during the warranty period, the purchaser's exclusive remedy shall be repair. Incidental or consequential damages, including without limitation loss of data or inaccurate retrieval of data, arising from breach of any express or implied warranty are the responsibility of Academy Computer Services, Inc. and, to the extent permitted by law, are hereby excluded both for property damage, and to the extent not unconscionable, for personal injury damage.
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