

*HIGH DENSITY ULTRA 160 LVD RACKMOUNT RAID ARRAY*

# *JStor* /// U160 / 16



# *JStor* /// U160 / 16-bay



## **KEY BENEFITS**

Next generation JStor III U160 RAID array supports business critical applications with superior data protection and the highest performance of Ultra160 SCSI disk drives. Engineered to meet stringent demands for continuous availability, JStor III U160 RAID array features a brand-new 64-bit RISC processor for blazingly fast parity calculation and I/O operations, completely cableless backplane-based design, and storage capacities reaching 2.4TB in a small 3U enclosure.

Low service and integration costs are assured by the JStor's modular design, three redundant hot-swappable power supplies, three turbo cooling fans, and an embedded RAID controller.

Versatility is in the heart of the JStor III U160 array. Indeed, it can be used as a desktop or be rackmounted into any standard 19" rack cabinet.

JStor III U160 RAID addresses many challenges present in datacenters and delivers unparalleled storage flexibility, higher levels of data availability, management and configuration simplicity, all while securing maximum investment protection to support future growth.

### Controller

- 64-bit RISC 100MHz CPU with 100MB/sec memory bus
- Up to 800 MB/sec internal bandwidth
- RAID Level 0, 0+1, 1, 3, and 5 support

### Cache

- 64-512MB using industry standard SO-DIMM SDRAM
- On-board ECC

### Host and Disk Interface

- Two 160MB/sec Ultra 3 LVD SCSI
- Optional 2Gbit Fiber Channel Dual Loop
- Two 160MB/sec Ultra 3 LVD SCSI disk channels
- Fully supports Ultra320 SCSI standard

### Command Queuing

- 253 commands

### Backplane

- Intelligent backplane with sixteen bays
- Accepts sixteen SCSI SCA 3.5" LP drives

### Administration

- On-board LCD panel
- RS-232 port / VT100 or Ethernet port
- Exclusive RAIDm software
- Web-based array monitoring

### Fault Notification

- Audible controller alarm
- Audible power supply alarm
- Visual LCD and LED alarms
- In-band SCSI monitoring and E-mail notification
- Pager and Fax fault notification

### Power

- Triple redundant 300W power supplies/autosensing
- 110-220 VAC  $\pm 20\%$  @ 3 amps peak 47 to 63 Hz

### Physical

- Dimensions: 5.25"H x 19"W x 19.5"D / 3U (13.5cm x 49cm x 50cm)
- Weight: 68 lb. (31 kg.) without disk drives

### Temperature

- 41°F to 104°F (5°C to 40°C) operating
- -40°F to 140°F (-40°C to 60°C) non-operating



### Relative Humidity

- 10% to 85% non-condensing (operating)
- 5% to 90% non-condensing (non-operating)

### Host Platforms

- Host platform independent
- Certified to work with:  
Windows Server 2003, Windows 2000 and MSCS, Windows XP, Windows NT, Linux, Solaris/SunOS, FreeBSD, MAC OS, SCO Unix, UnixWare, Tru64/Digital Unix, HP/UX, IBM AIX, SGI IRIX, VMS, BSDI, Novell Netware, OS/2, BeOS, QNX ...and others to be announced.

### Host Adapters

- Most Host Bus Adapters supported
- PCI, Compact PCI, MCA, S-Bus, ISA, VME

### Agency Approvals

- FCC, CE, TUV, UL/CSA, and EMC

### Warranty

- Three years – logic
- Five years – drives

## ADVANCED FEATURES

- Dual host connection can support two hosts simultaneously. Perfect for clustered environments, e.g. MSCS – Microsoft Cluster Server.
- RAID controller provides RAID 0, 0+1, 1, 3, and 5, Global Hot Spare Disk, Auto Rebuild, and up to 512 MB of SO-DIMM SDRAM-based data cache.
- Intelligent SCSI backplane design (uses no cables) allows “hot swapping” of disk canisters, power supplies, and fans for increased reliability, lower cost, and ease of maintenance.
- RAIDm monitoring and notification software
- 2Gbit Fiber Channel support
- SAN Ready

## AVAILABLE DRIVE CAPACITIES

- 9GB (7,200 / 10,000 rpm)
- 18GB (7,200 / 10,000 / 15,000 rpm)
- 36GB (7,200 / 10,000 / 15,000 rpm)
- 73GB (10,000 / 15,000 rpm)
- 146GB (10,000 rpm)
- Maximum capacity 2.4TB when using 146GB drives
- Scalable to multiple terabytes

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JStor product available with SCSI drives (U160 model), IDE drives (IDE model), or Serial-ATA (SATA model)

Available in either tower or rackmount, in 8 or 16 bay base unit.

Maximum size SCSI drive is currently 146Gb each (max 2.4TB in 16-bay unit)