HIGH DENSITY SATA-TO-ULTRA 160 LVD RACKMOUNT RAID ARRAY

JStor /// SATA / 16

JStor III SATA / 16-bay

KEY BENEFITS

Next generation JStor III SATA RAID array supports business critical applications with superior data protection and the unprecedented performance of Serial ATA disk drives. Engineered to meet stringent demands for continuous availability, JStor III SATA 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 4.8TB 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 SATA array. Indeed, it can be used as a desktop or be rackmounted into any standard 19" rack cabinet.

JStor III SATA 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
- Sixteen Serial ATA 150Mb/sec PHY disk channels
- Fully supports 48-bit ATA standard

Command Queuing
- 253 commands

Backplane
- Intelligent backplane with sixteen bays
- Accepts sixteen Serial ATA 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 ±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
- One to three 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 SATA 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
- *36GB (10,000 rpm)*
- *80GB - 160GB (7,200 rpm)*
- *200GB (7,200 rpm)*
- *250GB (7,200 rpm)*
- *300GB (5,400 / 7,200 rpm)*
- *Maximum capacity 4.8TB when using 300GB drives*
- *Scaleable to multiple terabytes*

For more information contact:

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

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

Maximum size SATA drive is currently 300Gb each (max 4.8TB in 16-bay unit)