

*ULTRA 160 LVD DESKTOP AND RACKMOUNT RAID ARRAY*

# *JStor* /// U160/FC



# JStor III U160/FC



## *KEY BENEFITS*

Third generation JStor III U160 RAID array delivers reliable data protection combined with the high performance of Ultra160 SCSI to support mission critical business applications. 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 1.4TB in a small 3U enclosure.

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

Versatility is in the heart of the JStor III U160 array. Indeed, it can be used as a tower 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

- 32-512MB using industry standard SO-DIMM SDRAM
- On-board ECC

### Host and Disk Interface

- Two 160MB/sec Ultra 3 LVD SCSI
- One 2Gbit Fiber Channel Dual Loop

### Command Queuing

- 253 commands (Host and Disk channels)

### Backplane

- Intelligent backplane with eight bays
- Accepts eight SCA 3.5" HH drives

### Administration

- On-board LCD panel
- RS-232 port / VT100
- GUI array management

### Fault Notification

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

### Power

- Dual-redundant 400W power supplies/autosensing
- 110-220 VAC  $\pm 20\%$  @ 3 amps peak 47 to 63 Hz or 48V DC

### Physical

- Dimensions: 5.25"H x 19"W x 18"D / 3U (13.5cm x 49cm x 46cm)
- Weight: 40 lb. (18 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 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, AlphaMicro, VxWorks ...and others to be announced.

### Host Adapters

- Host adapters from all major manufacturers are supported
- PCI, Compact PCI, MCA, S-Bus, ISA, VME, GIO/HIO

### 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.
- SAN Ready
- On-the-fly capacity expansion
- Multiple concurrent virtual arrays

## 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), 180GB (7,200 rpm)
- Maximum capacity 1.4TB when using 180GB drives
- Scalable to 5.7TB

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

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

Maximum size SCSI drive is currently 180Gb each (max. 1.4TB in 8-bay)