

JetStor[®]

Storage. Solutions. Support.

SAS / SSD

4U

60 BAY

JetStor SAS 760iSD HIGH PERFORMANCE RAID SYSTEM

**1,600
MB/S!**



JetStor SAS 760iSD

The JetStor SAS 760iSD RAID system delivers increased performance and efficiency through 6 x 1Gb Ethernet host connections to enable the most demanding applications. Outstanding throughput coupled with fast random access eliminates bottlenecks in your most demanding applications, diminishing response times and increasing productivity. The JetStor SAS 760iSD RAID system accelerates databases, file servers, production applications, imaging, and any application demanding the instantaneous delivery of records, small and large files.

HIGHLY AVAILABLE DESIGN

JetStor SAS 760iSD RAID systems feature fail-safe engineering for non-stop operations. A fully cableless design improves reliability. Dual hot-swappable power supplies with integrated turbo-cooling and separate power connections, dual hot-swappable controllers provide system tolerance of any component failure. SNMP or SMTP email notifications of all system events enable proactive maintenance.

NON-STOP ADS AVAILABILITY

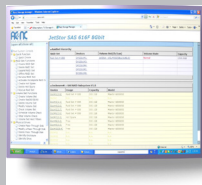
Almost all RAID levels are supported for precise configuration to your application's performance and protection requirements. Multiple drives may be designated as hot-spares allowing the system to transparently move data to a spare should an error be detected. Drives are hot-swappable, with automatic rebuilding of data on the new drive. Capacity can be increased and drives replaced while data remains on-line. JetStor SAS 760iSD offers high-capacity expansion to one JBOD chassis with total storage measured in terabytes. For the greatest protection, RAID 6 with Advanced Data Sentry technology allows for continuous operations even with two simultaneous drive failures. Considering that RAID 6 ADS provides 1,000 times greater data protection than RAID 5, why trust your data to any other technology?

FEATURES

- Up to 1,600 MB/sec performance through 6 x 1Gb Ethernet host connections per redundant controller to support your most demanding applications.
- RAID Manager browser based GUI management and monitoring software allows you to remotely configure and manage all JetStor systems with e-mail event notification.
- Supports all Operating Systems, both single and clustered.
- Field-replaceable major components allow for maximum convenience, uptime and configuration flexibility.
- Free telephone and email support.

WARRANTY

- Three to five years on disk drives, one year on BBM, three years on all other components.
- Optional advanced replacement program ships drive replacements within 24 hours. Optional on-site service also available.



RAID MANAGER

Proactively manage, configure and monitor all JetStor RAID systems from any browser.

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SPECIFICATIONS

JetStor SAS 760iSD

HIGH PERFORMANCE RAID SYSTEM

**1,600
MB/S!**



Model	JetStor SAS 760iSD
Host Ports	6 x 1GB Ethernet per redundant controller
Disk Interface	6Gb/s, 12Gb/s SAS
6Gb/s SAS Expansion Ports	One, 6Gb/s SAS (SFF-8088) per redundant controller
Drives (unit)	60, 2.5"/ 3.5"
Processor type	Intel Xeon 64-bit RAID processor
Cache memory	4GB(default)-8GB(optional)/DDR3-800 ECC REG SDRAM
Battery backup	Optional
SMTP manager and SNMP agent	Yes
Management / Monitor port support	Two, RJ45 Ethernet
Enclosure	
Disk status indicators	Access / Fail LED
Single Backplane	SAS2 / SATA3 Cableless
PS/Fan modules	Three, 700W w/PFC
Turbo Fans	Eleven
Power	90V-264V, 47Hz-63Hz full range; 12A ~ 6A
Environmental	
Relative Humidity	5% ~ 90% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	33(L) x 19(W) x 7(H) in
Weight (w/out disks)	45 Kg / 99 Lbs
Compatibility	
Operating Systems	VMWare ESX Server, vSphere, Windows Server 2008, XenServer, Oracle/Solaris, Linux, MAC OS X
SAS Drives 3.5"	1TB, 2TB, 3TB, 4TB, 6TB and 8TB
SAS Drives 2.5"	450GB, 600GB, 900GB, 1.2TB and 1.8TB
SSD Drives 2.5"	480GB, 600GB, 800GB, 1TB and 2TB - - requires MUX adapters

RAID FEATURES

- RAID Levels 0, 1,10(1E), 3, 5, 6, 30, 50, 60, JBOD
- Up to 128 Array groups
- Up to 128 LUNs
- Global & dedicated hot spares
- Simultaneous online expansion and RAID migration
- Drive roaming
- Online rebuild
- Variable stripe size
- E-mail notification
- Online capacity expansion
- Online volume set expansion
- RAID level/stripe size migration
- Online array roaming
- Online consistency check
- Instant availability and background initialization
- S.M.A.R.T. support
- MAID 2.0
- Bad block auto-remapping

MANUFACTURER



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COSTARS Contract# 003-434

SYSTEM FEATURES

- Menu driven front LCD display
- Innovative modular architecture
- Redundant flash image for high availability
- Multiple array enclosures per host connection
- Volume sets greater than 2TB (64-bit LBA support)
- Disk drives greater than 2TB
- Supports Windows 4KB/sector, up to 16TB per volume set
- Disk scrubbing / array verification scheduling for automatic repair of all RAID sets
- Records logins in the event log with IP address and service (http, telnet and serial)
- Supports intelligent power management to save energy and extend service life
- NTP protocol RAID controller clock synchronization
- Background initialization for instant availability
- Supports S.M.A.R.T, NCQ and OOB staggered spin-up capable drives
- Local audible event notification alarm
- Real time clock support

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