

JetStor[®]

Storage. Solutions. Support.

SAS / SATA

2U

12 BAY

JetStor SAS 412iS HIGH PERFORMANCE RAID SYSTEM



JetStor SAS 412iS

1,600
MB/S!

Adding storage capacity is now as simple as plugging a cable into an available port on an Ethernet switch. Brand new JetStor SAS 412iS 12 bay iSCSI IP SAN RAID array delivers reliable data protection combined with the ease of use and compatibility advantage of iSCSI to support your organization storage requirements. No infrastructure upgrades are needed - iSCSI JetStor will provide block-level storage across your existing network. VMWare storage certification insures compatibility with virtualization technology installed in the enterprise.

HIGHLY AVAILABLE DESIGN

The JetStor SAS 412iS RAID system features 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, and hot-swappable controller provides system tolerance of any component failure. SNMP or SMTP email notifications of all system events enables 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. Each system offers high-capacity expansion to multiple 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 four 1Gb/sec Ethernet connections 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.

www.raid.com
sales@acnc.com
800.213.2667



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SPECIFICATIONS

JetStor SAS 412iS HIGH PERFORMANCE RAID SYSTEM

1,600
MB/S!



Model	JetStor SAS 412iS
1Gb/s Ethernet Host Interfaces	Four
Disk Interface	3 Gb PHY SAS; 48-bit addressing
3Gb/s SAS Expansion Ports	One
Drives (unit / expansion)	12, 3.5"/Up to 60
Processor type	64-bit Intel Xscale IOP341 Dual-core Storage Processor
Cache memory	Up to 2GB (using one, industry standard DDR ECC SDRAM)
Battery backup	Optional, 72 hour
Management / Monitor port support	Yes
SMTP manager and SNMP agent	Yes
Enclosure	
Tray lock	Yes
Disk status indicators	Access / Fail LED
Single Backplane	SAS / SATA II Cableless
PS/Fan modules	Two, 350W w/PFC
Turbo Fans	Two
Power	110 or 220 VAC, ±20% @ 6 amps / 3 amps peak
Environmental	
Relative Humidity	10% - 85% Non-condensing
Operating Temperature	50°F - 104°F (10°C ~ 40°C)
Physical Dimensions (W x D x H)	19" x 22" x 3.5"
Weight (Without drives)	35 lbs (16 kg)
Compatibility	
Operating Systems	VMWare ESX Server, vSphere, Windows Server 2008, Windows Server 2003, XenServer, Oracle/Solaris, Linux, MAC OS X
SAS Drives	3.5": 300GB, 450GB, 600GB, 1TB, 2TB, 3TB and 4TB
SATA Drives	3.5": 1TB and 2TB

RAID FEATURES

- RAID Levels 0, 1,10(1E), 3, 5, 6, 30, 50, 60 and 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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GSA Schedule: GS-35F-0694J
CMAS: 3-00-70-1230A

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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