

**NATIVE
iSCSI!**

JetStor® SATA 416iS

HIGH PERFORMANCE SATAII-to-iSCSI RAID



FEATURES

Combining the deployment convenience of iSCSI with outstanding JetStor performance, the JetStor SATA 416iS 16 bay RAID array reliably delivers full dual gigabit Ethernet throughput to 16 terabytes of storage. This remarkable performance eliminates bottlenecks in your most demanding applications, diminishing response times for increased productivity. Processing power includes a 64 bit Intel Xscale RISC processor to achieve up to 1.6 Gb/sec internal bandwidth, a Silverback iSCSI assist engine capable of full-duplex line speed throughput to both gigabit Ethernet ports, and a TCP Offload Engine (TOE). Designed for mission critical applications, the JetStor's data protection is backed by high availability features such proactive event monitoring software, on-line RAID set integrity verification, and a cableless intelligent backplane that enables hot-swapping of redundant power supplies, power connections and cooling fans.

NON-STOP ADS AVAILABILITY

JetStor storage systems are engineered for non-stop operations. Capacity can be increased and drives replaced as data remains on-line. Multiple drives may be designated as hot-spares, allowing the JetStor to transparently move data to a spare should an error be detected. 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 an older technology?

ADVANCED iSCSI SUPPORT

The JetStor SATA 416iS implements all IP SAN standard and advanced features, including volume sharing with up to 16 hosts, host access control and CHAP. Full dual-channel capabilities include 802.3ad port trunking, multi-homing, active/passive LACP and Microsoft MPIO. The iSCSI offload engine further features updatable firmware to support future protocol changes.

- **Over 300 MB/sec performance** full-duplex dual-channel to support your most demanding applications.
- **Complete advanced iSCSI support** including volume sharing, host access control and CHAP.
- **RAID Manager browser based GUI** management and monitoring software allows you to remotely configure and manage all JetStor systems with e-mail event notification.
- **Integrated Snapshot** allows for automatic scheduled or ad hoc backups.
- **RAID set verification** tests every sector for proactive error detection
- **Supports all Operating Systems**, both single and clustered.
- **Field-replaceable major components** allow for maximum convenience, uptime and configuration flexibility.
- **Outstanding Warranty** of five years on disk drives and three years on all other components. Optional advanced replacement program ships drive replacements within 24 hours. Optional on-site service also available.
- **Free telephone & email support** is provided for the life of the unit.

A&N
www.raid.com
800-213-2667



JetStor SATA 416iS

SPECIFICATIONS

Number of Bays / Size Maximum Capacity ¹	16 bay / 3U 16TB	iSCSI Controller	Silverback chipset, Dual gigabit Ethernet for independent access, failover, or load balancing. 802.3ad port trunking, LACP
Processor	64-bit 400 MHz Intel Xscale RISC Storage Processor	NetWork Controller	TCP Offload Engine (TOE)
Backplane Interface	133 MHz PCI-X	Management Ports	Two DB9 RS/232 RJ45 Ethernet
Internal Bandwidth	Up to 1.6 Gb/s	Power Supplies	Two Redundant 460W Two Power Connections
Disk Bus Interface	Sixteen 3 Gb PHY SATA II channels 48-bit addressing	Cooling Blowers	Dual Redundant Hot-Swappable
Cache (ECC supported)	512MB or 1 GB (1 DDR333 EDD SDRAM)	Battery Backup	Optional, 72 Hour

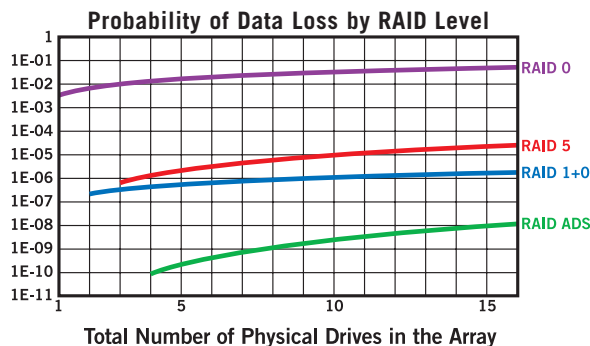
OPERATING SYSTEMS

Windows Server 2003, Linux, Sun/Solaris, MAC OS, VMWare ESX Server (hardware iSCSI initiator required), AIX 3.5, and others to be announced

¹Maximum storage capacities are calculated with 1TB SATA drives. Drive support not limited to drive capacities listed, all future drive capacities supported when available. All features, hardware and software performance specifications are subject to change without notice.

FEATURES:

- Up to 300MB/s bandwidth for your demanding storage-centric applications
- Supports RAID levels 0, 1, 0+1, 3, 5, **6 with ADS**, 10, 30, 50 and 60, global hot spares and auto-rebuild
- Array roaming allows you to easily transfer complete RAID sets with their configuration data to another RAID system
- Supports hot spare(s) and automatic online hot rebuild
- Allows online migration and capacity expansion within the enclosure
- Local audible event notification alarm
- Built-in ethernet port for remote event notification, Web GUI, configuration and management
- Dual host channels support clustered environments
- Tagged command queuing for 255 commands allows for overlapping data streams
- RAID Advanced Data Sentry (ADS) provides the highest level of data protection by tolerating multiple simultaneous drive failures without downtime or data loss
- RAID ADS probability of data loss is 1/1,000 that of an equivalent RAID 5 array



Ergonomically designed drive trays allow for safe on-line replacement or expansion with any SATA disk drive.



Redundant, hot-swappable power supplies with integrated cooling and two power connections.

Redundant hot-swappable cooling fans, independent of the power supplies.

Ethernet port for Web GUI, remote monitoring, configuration and email event notification.

Two gigabit Ethernet interfaces for 300MB/s bandwidth or clustered shared storage.



Front panel display and controls allow for complete unit configuration, as well as instant visual system status.



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