

Now  
Featuring  
**4Gb**  
FC Performance!

# JetStor®

ADVANCED DATA SENTRY RAID 6 STORAGE SYSTEMS



## FEATURES

**J**etStor RAID 6 storage systems with Advanced Data Sentry provide the highest level of data protection available for RAID storage. Field configuration flexibility, including NAS, SAN, iSCSI, multi-host and clustering, and outstanding performance from a 64-bit Intel 400 MHz RISC processor based controller ensures that JetStor systems scale, adapt to, and keep pace with future application requirements for the longest useful life. Designed for mission critical applications, the JetStor's data protection is backed by high availability features such as redundant, hot-swappable components and proactive event monitoring software.

### 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 the 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 PERFORMANCE FEATURES

The JetStor RAID system's advanced performance features allow it to easily adapt to future application configuration, scalability and performance demands. A 64-bit Intel RISC processor delivers an internal bandwidth of 1600 MB/s from eight to sixteen independent 3Gb Serial ATA II controllers. Two Ultra 320 LVD SCSI or two 2Gbit Fibre Channel host ports allow for multiple connections to a single host for the fastest data transfer, or support for multiple hosts for clustering or sharing. Up to 1GB of cache is contained on a single industry standard DDR SDRAM, with ECC.

- **RAID 6 with Advanced Data Sentry** technology provides the highest level of data protection by tolerating two simultaneous drive failures with no loss of data or performance.
- **Packetized SCSI and Quick Arbitration and Selection (QAS)** protocols dramatically reduce SCSI overhead for increased throughput.
- **RAID Manager browser based GUI** management and monitoring software allows IT management to configure and manage all JetStor systems from any web browser, with e-mail notification of all significant events.
- **RAID set verification** may be run ad-hoc or scheduled to test every sector for proactive error detection
- **Supports all Operating Systems** (single or clustered) without requiring software drivers.
- **Field-replaceable major components** allow for maximum convenience, uptime and configuration flexibility.
- **Outstanding Warranty** of three years on disk drives and 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](http://www.raid.com)  
800-213-2667



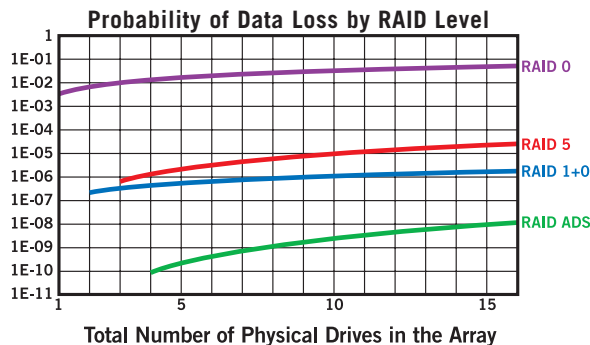
SPECIFICATIONS	JetStor SATA 408S	JetStor SATA 412S	JetStor SATA 416S/F JetStor SATA 416FC4
Number of Bays / Size Maximum Capacity <sup>1</sup>	8 bay / 2U 4000 GB	12 bay / 2U 6000 GB	16 bay / 3U 8000GB
SCSI Host Bus Interface — or — Fibre Channel Interface	Two, Ultra 320 LVD SCSI	Two, Ultra 320 LVD SCSI	Two, Ultra 320 LVD SCSI  416F: Two, 2Gbit Fibre 416FC4: Two, 4Gbit Fibre
Disk Bus Interface	Eight 3 Gb PHY SATA II	Twelve 3 Gb PHY SATA II	16, 3 Gb PHY SATA II
Cache (ECC supported)	Up to 1GB	Up to 1GB	Up to 1 GB
Management Ports	Two DB9 RS/232 & Ethernet	Two DB9 RS/232 & Ethernet	Two DB9 RS/232 & Ethernet
Power Supplies	Two Redundant 350W Dual Power Connections	Two Redundant 350W Dual Power Connections	Three Redundant 350W Three Power Connections
Cooling	Dual Redundant Blowers	Dual Redundant Blowers	Dual Redundant Blowers

**OPERATING SYSTEMS**  
 Windows Server 2003, Windows 2000 & MSCS (Microsoft Cluster Server), Windows NT, Sun/Solaris, Linux, Tru64 Unix, HP/UX, OpenVMS, UnixWare, IBM AIX, SGI Irix, MAC OS, FreeBSD, Novell, OS/2, and others to be announced

<sup>1</sup>Maximum storage capacities are calculated with 500GB 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:

- Supports RAID levels 0, 1, 0+1, 3, 5, **6 with ADS**, and JBOD
- Online and in-place raid level migration
- Custom ASIC performs Reed-Solomon parity calculations in hardware for high-speed RAID 6 write performance
- Supports hot spare(s) and automatic online hot rebuild
- Allows online 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
- Field expandable to multiple array enclosures per host
- 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

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

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



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



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