

600 MB/s
Bandwidth!

JetStor® SAS 516F

HIGH PERFORMANCE DATABASE RAID



Oracle

SQL Server

MySQL Server

Mail Server

News Server

Radar Data Collection

Online Digital Content

Pre-Press Production

Diagnostic Imaging/Radiology

High Performance File Server

The JetStor SAS 516F 16 bay RAID array delivers an outstanding 600 MB/s access to 128 terabytes of storage to support your most demanding, capacity hungry applications. A fifth-generation RAID controller architecture utilizes the 64 bit Intel IOP 80341 storage processor to achieve up to an unprecedented 3.2 Gb/sec internal bandwidth. RAID 6 with Advanced Data Sentry provides the highest level of protection available for your data. 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.

EMPOWERING DATA MANAGEMENT SOLUTIONS

The JetStor SAS 516F enables database applications with breakthrough price/performance. Easily capable of sustained random i/o operations, the JetStor SAS 516F is the perfect storage solution to your database storage challenges.

ACCELERATING STORAGE-DEPENDENT APPLICATIONS

The JetStor SAS 516F's outstanding throughput coupled with fast random i/o, eliminates the bottlenecks in your most demanding applications, diminishing response times for increased productivity. The JetStor SAS 516F accelerates databases, busy file servers, pre-press production, medical imaging, and any application demanding the instantaneous delivery of records as well as small and large files.

FEATURES

- **600 MB/sec bandwidth** to support demanding server and SAN 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.
- **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.
- **Redundant Flash Image** provides continuous service in the event of Flash memory corruption or failure.
- **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 SAS 516F RAID

SPECIFICATIONS

Number of Bays / Size Maximum Capacity ¹	16 bay / 3U 16TB - SATA; 6.4TB - SAS	Fibre Channel Interface	Two, 4Gbit/sec F/C Optical SFP LC cables
Processor	64-bit RISC Intel IOP80341 Storage Processor	Cache (ECC supported)	Up to 2 GB (one DDR2 ECC SDRAM)
Backplane Interface	PCI Express	Management Ports	Two DB9 RS/232 RJ45 Ethernet
Internal Bandwidth	Up to 3.2 Gb/s	Power Supplies	Two Redundant 460W Two Power Connections
Disk Bus Interface	Sixteen dual-ported 3Gbit SAS channels 48-bit addressing S.M.A.R.T. and NCQ supported	Cooling Blowers	Dual Redundant Hot-Swappable
Expansion Port	SFF8088 - MiniSAS	Battery Backup	Optional, 72 Hour

OPERATING SYSTEMS

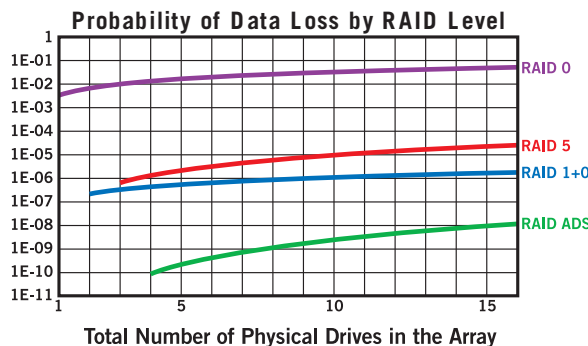
Windows Server 2008, MAC OS X, Windows Server 2003, Windows 2000 & MSCS (Microsoft Cluster Server), Sun/Solaris, Linux

¹Maximum storage capacities are calculated with 1TB SATA and 400GB SAS drives and are per chassis. Optional 16-bay JBOD expansion chassis is available. 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:

- 600MB/s bandwidth for the most demanding SAN environments
- Expandable to 128TB via optional SAS JBOD chassis
- Supports RAID levels 0, 1, 0+1, 3, 5, **6 with ADS**, 30, 50, 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
- 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
- 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 SAS/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 4Gb F/C optical SFP interfaces for 8Gb 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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