

600 MB/s
Bandwidth!

JetStor® SATA 516F

HIGH PERFORMANCE VIDEO & IMAGE RAID



- Video Color Correction
- DVR/Video Surveillance
- Audio & Video Streaming
- 2K Film Processing
- Uncompressed HD & SD Video
- Digital Cinema
- Near-line Digital Content
- Pre-Press Production
- Diagnostic Imaging/Radiology
- High Performance File Server

The JetStor SATA 516F 16 bay RAID array delivers an outstanding 600 MB/s access to 16 terabytes of storage to support your most demanding applications. A fifth-generation RAID controller architecture utilizes the 64 bit PowerPC 440SP storage processor to achieve up to an unprecedented 2.15 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 VIDEO SOLUTIONS

The Jetstor SATA 516F enables high definition video applications with breakthrough price/performance. Easily capable of continuous recording and delivery of uncompressed 1080i HDTV streaming video or multiple SD video sources, the JetStor 516F is the perfect storage solution to your video storage challenges.

ACCELERATING STORAGE-DEPENDENT APPLICATIONS

The JetStor SATA 516F's outstanding throughput eliminates the bottlenecks in your most demanding applications, diminishing response times for increased productivity. The JetStor SATA 516F accelerates pre-press production, medical imaging and radiology, and any application demanding the instantaneous delivery of large files.

FEATURES

- **600 MB/sec bandwidth** to support demanding non-linear editing 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**, 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.



www.raid.com
800-213-2667



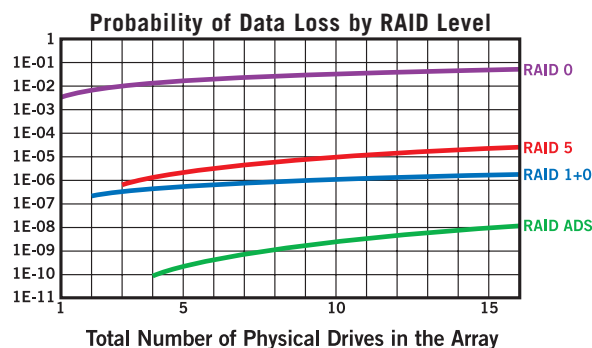
JetStor SATA 516F RAID 6



SPECIFICATIONS			
Number of Bays / Size Maximum Capacity ¹	16 bay / 3U 16TB	Fibre Channel Interface	Two, 4Gbit/sec F/C Optical SFP LC cables
Processor	64-bit RISC PowerPC 440SP Storage Processor	Cache (ECC supported)	Up to 2 GB (1 DDR2 EDD SDRAM)
Backplane Interface	266 MHz PCI-X 2.0	Management Ports	Two DB9 RS/232 RJ45 Ethernet
Internal Bandwidth	Up to 2.15 Gb/s	Power Supplies	Two Redundant 460W Two Power Connections
Disk Bus Interface	Sixteen 3 Gb PHY SATA II channels 48-bit addressing S.M.A.R.T. and NCQ supported	Cooling Blowers	Dual Redundant Hot-Swappable
		Battery Backup	Optional, 72 Hour
OPERATING SYSTEMS			
MAC OS X Tiger, Windows Server 2003, Windows 2000 & MSCS (Microsoft Cluster Server), Sun/Solaris, Linux			
¹ Maximum 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:

- 600MB/s bandwidth for the most demanding non-linear editing & SAN environments
- Supports RAID levels 0, 1, 0+1, 3, 5, **6 with ADS**, 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 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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