

# JetStor<sup>®</sup>

Storage. Solutions. Support.

SAS / SSD

3U

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## JetStor SAS 716FD V2

HIGH PERFORMANCE RAID SYSTEM

8GB  
FC-AL



The JetStor SAS 716FD V2 RAID system delivers 1,600 MB/second through 8Gb/sec SAS2 host connections per dual-redundant controller to enable the most demanding applications. Outstanding throughput coupled with fast random access eliminates bottlenecks in your most demanding applications, diminishing response times and increasing productivity. The JetStor SAS 716FD V2 system accelerates databases, file servers, production applications, imaging, and any application demanding the instantaneous delivery of records, small and large files.

### HIGHLY AVAILABLE DESIGN

JetStor SAS 716FD V2 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 dual hot-swappable controllers provide system tolerance of any component failure. SNMP or SMTP email notifications of all system events enables proactive maintenance.

### NON-STOP ADS AVAILABILITY

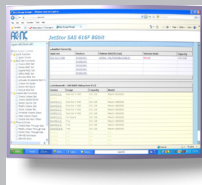
Almost all RAID levels are supported for precise configuration to your application's performance and protection requirements. Multiple drives may be designated as hot-spares allowing the system to transparently move data to a spare should an error be detected. Drives are hot-swappable, with automatic 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 8Gb/sec SAS2 host connections per dual-redundant controller 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](http://www.raid.com)  
[sales@acnc.com](mailto:sales@acnc.com)  
[800.213.2667](tel:800.213.2667)



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## SPECIFICATIONS

# JetStor SAS 716FD V2

## HIGH PERFORMANCE RAID SYSTEM

8Gb  
FC-AL



Model	JetStor SAS 716FD V2
8Gb/s FC-AL Host Interfaces	Four per redundant controller
Disk Interface	6Gb/s SAS2
6Gb/s SAS2 Expansion Ports	Two per redundant controller
Drives (unit / expansion)	16, Up to 112
Processor type	800 MHz Dual Core RAID-On-Chip Storage Processor
Cache memory	4GB(default)-8GB(optional)/DDR3-1333 ECC REG SDRAM
Battery backup	Optional
Management / Monitor port support	Yes
SMTP manager and SNMP agent	Yes
<b>Enclosure</b>	
Tray lock	Yes
Disk status indicators	Access / Fail LED
Single Backplane	SAS2 Cableless
PS/Fan modules	Two 500W w/PFC
Turbo Fans	Four
Power 90V-264V, 24Hz-63Hz full range	10A - 5A
<b>Environmental</b>	
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 23.25" x 5"
Weight (Without drives)	53 lbs (24 Kg)
<b>Compatibility</b>	
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, 4TB and 6TB
SAS Drives	2.5": 300GB, 450GB, 600GB and 900GB
SSD Drives	2.5": 100GB, 200GB, 300GB, 480GB and 960GB

## 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

## 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

## MANUFACTURER



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[sales@acnc.com](mailto:sales@acnc.com)  
800.213.2667

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