

JetStor[®]

Storage. Solutions. Support.

SAS2 / SATA3 2U - 3U - 4U

16 - 24 - 42 BAY

JetStor SAS 700FD Series

HIGH PERFORMANCE RAID SYSTEMS



JETSTOR SAS 716FD



JETSTOR SAS 724FD



JETSTOR SAS 742FD

1,600
MB/S!

The JetStor SAS 700FD Series of RAID systems deliver 1,600 MB/second through 8Gb/sec SAS2 host connections 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 700FD RAID systems accelerate databases, file servers, production applications, imaging, and any application demanding the instantaneous delivery of records, small and large files.

HIGHLY AVAILABLE DESIGN

JetStor SAS 700FD RAID systems feature 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?

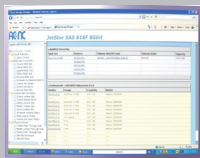
FEATURES

- Up to 1,600 MB/sec performance through four 8Gb/sec SAS2 host connections 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 provided for the life of the system.

WARRANTY

- Three to five years on disk drives, three years on all other components.
- Optional advanced replacement program ships drive replacements within 24 hours. Optional on-site service also available.

vmware[®]
READY



RAID MANAGER

Proactively manage, configure and monitor all JetStor RAID systems from any browser.

www.raid.com
sales@acnc.com
800.213.2667



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SPECIFICATIONS

JetStor SAS 700FD Series

HIGH PERFORMANCE RAID SYSTEMS

**1,600
MB/S!**



Model	JetStor SAS 716FD	JetStor SAS 724FD	JetStor SAS 742FD
8Gb/s FC-AL Host Interfaces	Eight	Eight	Eight
Disk Interface	6Gb/s SAS2 and 6Gb/s SATA3		
6Gb/s SAS2 Expansion Ports	Two	Two	Two
Drives (unit / expansion)	16, 3.5"/Up to 112	24, 2.5"/Up to 96	42, 3.5"/Up to 84
Processor type	800 MHz RAID-On-Chip Storage Processor		
Cache memory	2GB(default)-4GB(optional)/DDR2-800 ECC REG SDRAM		
Battery backup	Optional	Optional	Optional
Management / Monitor port support	Yes	Yes	Yes
SMTP manager and SNMP agent	Yes	Yes	Yes
Enclosure			
Tray lock	Yes	Yes	Yes
Disk status indicators	Access / Fail LED	Access / Fail LED	Access / Fail LED
Single Backplane	SAS2 / SATA3 Cableless		
PS/Fan modules	Two 500W w/PFC	Two 400W w/PFC	Two 1100W w/PFC
Turbo Fans	Four	Two	Eleven
Power 90V-264V, 24Hz-63Hz full range	10A - 5A	8A - 4A	8A - 4A
Environmental			
Relative Humidity	10% - 85% Non-condensing		
Operating Temperature	50°F - 104°F (10°C ~ 40°C)		
Physical Dimensions (W x D x H)	23.25"x19"x5"	22"x19"x3.5"	32"x19"x7"
	590mm x 482mm x 131mm	559mm x 483mm x 88mm	810mm x 482mm x 176mm
Weight (Without drives)	53 lbs (24 Kg)	31 lbs (14 kg)	107 lbs (48.5 kg)
Compatibility			
Operating Systems	VMWare ESX Server, vSphere, Windows Server 2008, Windows Server 2003, XenServer, Oracle/Solaris, Linux, MAC OS X		
SAS Drives	2.5": 146GB, 300GB, 450GB and 600GB, 3.5": 300GB, 450GB, 600GB, 1TB, 2TB and 3TB		
SATA Drives	2.5": 1TB, 3.5": 1TB, 2TB and 3TB		
SSD Drives	40GB, 80GB, 120GB, 160GB, 300GB and 600GB		

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

MANUFACTURER



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 CMAS: 3-00-70-1230A

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