JetStor®

Storage. Solutions. Support.

SAS /SATA	4U	64 BAY

JetStor SAS 864S
HIGH PERFORMANCE RAID SYSTEM

12Gb/s SAS!

The JetStor 864S is a high density storage product built for huge data storage applications, data center or cloud computing. The JetStor 864S features 12Gb/s mini SAS HD host performance to increase system efficiency and performance. It supports high capacity expansion, with 64 hotswappable SAS2/SATA3 drive bays in a 19-inch 4U rackmount unit, scaling to a maximum storage capacity in the terabyte range. The JetStor 864S also features optional dual controllers which provide better fault tolerance and higher reliability of system operation.

HIGHLY AVAILABLE DESIGN

The JetStor SAS 864S 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-redundant active/active array controllers provide system tolerance of any component failure. SNMP or SMTP email notifications of all system events enables proactive maintenance.
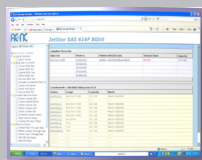
NON-STOP ADS AVAILABILITY

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. 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

- 12Gb/s performance through 2x mini SAS HD (12Gb/s) (SFF-8644) host connections per controller
- Encryption at Rest Support ISE, TCG, SED, SSD with Block Erase & Password Protect.
- Supports SSD automatic monitor clone (AMC) to extend SSD lifetime and clone disk.
- DataBolt™ Bandwidth Optimizer for balance faster host & slower SAS or SATA devices.
- Supports all OS, both single and clustered.
- Field-replaceable major components allow for maximum convenience, uptime and configuration flexibility.
- Free telephone & 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.acnc.com
sales@acnc.com
800.213.2667

vmware® READY

RoHS COMPLIANT 2002 | 95 | EC

JetStor®
Storage. Solutions. Support.

12Gb/s SAS!

Model	JetStor SAS 864S / 864SD
RAID Controller	864S: Single / 864SD: Dual
Host Ports	Two, mini SAS HD (12Gb/s) (SFF-8644) per controller
Disk Interface	6Gb/s SAS, 6Gb/s SATA HDD/SSD
Expansion Ports	One, 6Gb/s SAS (SFF-8644) per controller
Drives (unit)	64, 3.5"
Processor type	1.2GHz Dual Core RAID-On-Chip processor
Cache memory	4GB(default)-8GB(optional)/ DDR3 ECC SDRAM
Management Port Support	2 x RJ11 Serial Ports; 1 x RJ45 Ethernet Port
Battery backup	Optional
Enclosure	
Disk status indicators	Access / Fail LED
Single Backplane	SAS2 / SATA3 Cableless
PS/Fan modules	2x 1100W 80plus w/PFC
Turbo Fans	Fifteen
Power	9AC 100V ~ 240V Full Range; 15A ~ 7.5A, 47Hz ~ 63Hz
Environmental	
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	35(L) x 19(W) x 7(H) in
Weight (w/out disks)	43.5 Kg / 96 Lbs
Default Slide Rail: Post to Post 800mm~1090mm (32"~42") / Option: Post to Post 750mm~900mm (29"~35")	
Compatability	
Operating Systems	VMWare ESX Server, vSphere, Windows Server 2012 / 2012 R2, Windows Server 2008, XenServer, Oracle/Solaris, Linux, MAC OS X
SATA Drives 3.5"	1TB, 2TB, 3TB, 4TB, 6TB, 8TB, 10TB, 12TB - 864S single controller only
SAS Drives 3.5"	600GB, 1TB, 2TB, 3TB, 4TB, 6TB, 8TB, 10TB, 12TB

RAID FEATURES

- RAID Levels 0, 1,10(1E), 3, 5, 6, 30, 50, 60, 00, 100, Single Disk and JBOD
- Stripe Size Up to 1024KB
- Up to 128 LUNs
- Global & dedicated hot spares
- Simultaneous online expansion & 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

www.acnc.com
sales@acnc.com
800.213.2667

Advanced Computer & Network Corporation

5001 Baum Boulevard, Suite 680
Pittsburgh, PA 15213
Phone: 412.683.9010
Fax: 412.683.9070
Support: 800.213.2667
Europe: +44 (0)1628 891616
GSA Schedule: GS-35F-0694J
COSTARS Contract# 003-434

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