

JetStor[®]

Storage. Solutions. Support.

SAS / SATA / SSD

3U

16 BAY

JetStor SAS 816F HIGH PERFORMANCE RAID SYSTEM

16GB
FC-AL



The JetStor 816F 16G RAID subsystem features 16Gb FC-AL host performance to increase system efficiency and performance. It features high capacity expansion, with 16 hot-swappable SAS2/SATA3 hard disk drive bays in a 19-inch 3U rackmount unit, scaling to a maximum storage capacity in the terabyte range. The JetStor 816F also supports optional dual controllers which provide better fault tolerance and higher reliability of system operation.

HIGHLY AVAILABLE DESIGN

JetStor SAS 816F 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.

CUSTOMER TESTIMONIAL

"In our research field, data acquisition outpaces advances in hard drive capacity. We have Qty 12 JetStor fiber-channel 716F enclosures purchased over the last decade that continue to run flawlessly. Although I appreciate the reliability of hardware and customer support, I return to JetStor for performance - our fiber-channel enclosures provide high-speed, low-latency access to our NFS-mounted desktop environment. I also appreciate the simple, web-based management interface... because I have other work to do."

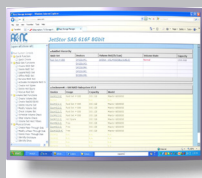
~ Julie A. - Linux system admin - Helen Wills Neuroscience Institute at UC Berkeley

FEATURES

- 16Gb performance through four FC-AL host connections per controller.
- Encryption at Rest Support ISE, TCG, SED, SSD with Block Erase and 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 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.acnc.com
sales@acnc.com
800.213.2667



JetStor[®]

Storage. Solutions. Support.

SPECIFICATIONS

JetStor SAS 816F

HIGH PERFORMANCE RAID SYSTEM

**16GB
FC-AL**



Model	JetStor SAS 816F / 816FD
RAID Controller	816F: Single / 816FD: Dual
Host Ports	Four, 16Gb/s FC-AL per controller
Disk Interface	6Gb/s SAS/SATA and 12Gb/s SAS
Expansion Ports	One, 6Gb/s SAS (SFF-8644) per controller
Drives (unit / expansion)	16, 3.5"
Processor type	1.2GHz Dual Core RAID-On-Chip processor
Cache memory	4GB(default)-16GB(optional)/DDR3 ECC SDRAM
Battery backup	Optional
Management Port Support	2 x RJ11 Serial Ports; 1 x RJ45 Ethernet Port
Enclosure	
Platform / Form Factor	Rackmount / 3U
Disk status indicators	Access / Fail LED
Single Backplane	SAS2 / SATA3 Cableless
PS/Fan modules	Two 500W w/PFC
Turbo Fans	Four
Power Requirements	AC 90V ~ 264V Full Range; 10A ~ 5A, 47Hz ~ 63Hz
Environmental	
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	23.25(L) x 19(W) x 5(H) in
Weight (w/out disks)	24 Kg / 53 Lbs
Compatibility	
Operating Systems	VMWare ESX Server, vSphere, Windows Server 2008, XenServer, Oracle/Solaris, Linux, MAC OS X
SATA Drives 3.5"	1TB, 2TB, 3TB, 4TB, 6TB, 8TB, 10TB, 12TB - 816F single controller only
SAS Drives 3.5"	600GB, 1TB, 2TB, 3TB, 4TB, 6TB, 8TB, 10TB, 12TB
SAS Drives 2.5"	450GB, 600GB, 900GB, 1.2TB and 1.8TB
SSD Drives 2.5"	480GB, 600GB, 800GB, 1TB and 2TB - 816FD dual controller requires MUX adapters

RAID FEATURES
<ul style="list-style-type: none"> • RAID Levels 0, 1,10(1E), 3, 5, 6, 30, 50, 60, 00, 100, Single Disk & JBOD • Up to 128 Array groups • Up to 128 LUNs • Global & dedicated hot spares • 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 • HDD Xfer Speed Test • Multiple pairs SSD/HDD disk clone • Multi-Path I/O (MPIO) Support

SYSTEM FEATURES
<ul style="list-style-type: none"> • 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



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

Specifications subject to change without notice. Copyright © 2018 AC&NC. All rights reserved worldwide. AC&NC is a trademark, and JetStor is a registered trademark of AC&NC. All other marks are the property of their respective owners.