

# JetStor<sup>®</sup>

Storage. Solutions. Support.

SAS/SATA/SSD

4U

80 BAY

## JetStor SAS 780JH

HIGH PERFORMANCE JBOD SYSTEM

Windows  
Server  
2016

Certified



Windows  
Server 2012 R2

Certified



JetStor SAS 780JH

The JetStor SAS 780JH is an ultra high density 19-inch 4U rackmount JBOD unit. It features optional dual controllers, the latest SAS2 (6Gb/s) or SAS3 (12Gb/s) interface and designed to fit in with environments that need highly reliable and relentless data growth. JetStor SAS 780JH comes with a single controller, 80 hot-swappable bays and is perfect for Big Data, Hadoop, HPC (High Performance Computing), ZFS and Microsoft Windows Server 2012/2016 projects. Based on 6G or 12G technology, the JetStor SAS 780JH supports the choice of SAS2 or SAS3 and SATA3 drive configurations to deliver the best cost-performance index with higher bandwidth.

### HIGHLY AVAILABLE DESIGN

The JetStor SAS 780JH JBOD 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.

### CUSTOMER TESTIMONIAL

*"Just wanted to say thanks for the great JetStor products. Never had a turn-up go so smoothly, and the hardware is excellent. I can recall you saying "Areca Rocks!" and you weren't kidding. The controller is excellent and the JetStor 780JH performance is fantastic as well."*

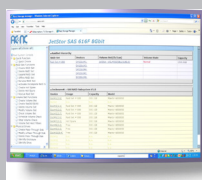
*~ Chris D. - Broadcast/IT Infrastructure Integration Engineering Group*

### FEATURES

- 6Gb/s or 12Gb/s performance through 4x mini SAS external connections per controller to support your most demanding applications.
- Utilizes industry-standard SCSI Enclosure Services to monitor enclosure and disk environmental conditions
- S.E.S. support for standard enclosure management
- Incorporates a cableless design for maximum signal integrity
- 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](http://www.acnc.com)  
[sales@acnc.com](mailto:sales@acnc.com)  
800.213.2667



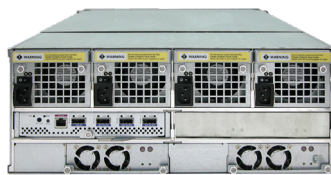
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SPECIFICATIONS

## JetStor SAS 780JH HIGH PERFORMANCE JBOD SYSTEM

6Gb/s  
or  
12Gb/s



<b>Model</b>	<b>JetStor SAS 780JH / 780JHD</b>
JBOD Controller	780JH: Single / 780JHD: Dual
Host / Expansion Ports	Four, 6Gb/s or 12Gb/s SAS (SFF-8088) per controller
Disk Interface	6Gb/s SAS2 / 12Gb/s SAS3 / 6Gb/s SATA3
<b>Enclosure</b>	
Platform	Rackmount
Form Factor	4U
# of Hot Swap Trays	80
Tray Lock	Yes
Disk Status Indicator	Access / Fail LED
Backplane	SAS / SATA Single BP
# of PS/Fan Modules	650w x 4 (w/PFC)
# of Fans	12
Monitor Port Support	Yes
Power Requirements	AC 90V-254V Full Range, 50Hz-60Hz Amps: 10A for 115VAC, 5A for 230VAC
<b>Environmental</b>	
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	950(L) x 482(W) x 177(H) mm / 37(L) x 19(W) x 7(H) in
Weight (w/out disks)	45.5 Kg / 100 Lbs
<b>Compatibility</b>	
Operating Systems	Windows Server 2008/ 2012/ 2012 R2/ 2016, Win 8/Win 10, VMWare ESX Server, vSphere, XenServer, Oracle/Solaris, Linux, MAC OS X, and others to be announced
SATA Drives 3.5"	1TB, 2TB, 3TB, 4TB, 6TB, 8TB, 10TB, 12TB - (780JH 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 - (780JHD requires MUX adapters)

### JBOD FEATURES

- 80 hot-swappable drive bays in a rackmount 4U chassis
- Single or Dual SAS2 or SAS3 JBOD controller module
- SAS2 or SAS3 JBOD controller module consists of four mini SAS (4x) ports
- Global & dedicated hot spares
- Power supply and cooling system contained in 1 module for efficient cooling
- Four 650W redundant hot swappable power supplies
- Incorporates a cableless design for maximum signal integrity
- Utilizes industry-standard SCSI Enclosure Services to monitor enclosure and disk environmental conditions
- System LED indications
- System voltage monitoring

### MANUFACTURER



[www.acnc.com](http://www.acnc.com)  
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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