

StorTrends® 3201j

3U SAS/SATA JBOD Storage System



The StorTrends® 3201j is a 3U rack mount JBOD appliance for use in expanding the storage capacity of the StorTrends 2200 and 3200 storage servers. The StorTrends 3201j features support for both SAS and SATA hard drives, giving users multiple options to combine shelves of disks for a wide range of additional storage needs.

StorTrends iTX Data Storage Software features support for the expansion of up to three StorTrends 3201j JBOD appliances attached to a StorTrends 2200 or 3200 head unit, for tremendous capacity expansion that allows organizations to keep several steps ahead of exploding data growth.

Data Sheet . . .
01 21 2009

HIGHLIGHTS

- > 3U SAS / SATA JBOD device
- > 16 hot-swappable SAS / SATA drives
 - Accommodates 500 GB, 750 GB and 1 TB capacity SATA hard drives for up to 16 TB of expandable raw storage capacity per JBOD
 - Accommodates 146 GB, 300 GB and 450 TB capacity SAS hard drives for up to 7.2 TB of expandable raw storage capacity per JBOD
- > Redundant, hot-swappable power and cooling modules
- > Two (2) mini external SAS (4x) ports, two ports per I/O module (IN/OUT) for cascading JBODs
- > Integrates with the Information Lifecycle Management (ILM) module in StorTrends iTX for data migration based on data usage and aging history

The StorTrends® 3201j is a robust, high-bandwidth JBOD (Just a Bunch of Disks) storage system with 16 hot-swappable drive bays, for up to 16 TB of expansion raw storage capacity in a single JBOD appliance. The StorTrends 3201j is a cost-effective JBOD storage system suitable for expanding the storage capacity of both StorTrends 3200 and 2200 storage appliances in both NAS and IP-SAN configurations.

The 3201j is designed to be plugged in behind the StorTrends 2200 or 3200 head units with StorTrends iTX Data Storage Software for simple capacity expansion, allowing the user to “buy as you grow” as storage capacity requirements increase in the future. The two external SAS ports provide the connectivity and bandwidth for large capacity solutions requiring multiple cascaded JBODs.

When populated with high performance, highly reliable SAS drives, the StorTrends® 3201j is ideally suited for enterprise-level transactional applications such as modeling, simulation and billing. With high capacity SATA drives, the StorTrends® 3201j can be optimized for reference and high-bandwidth data applications such as disk-based backup, document imaging, video surveillance and video serving.

Add an additional 8, 12 or 16 TB of raw storage capacity per JBOD to the existing storage array with 500 GB, 750 GB or 1 TB SATA drives. For performance applications, add an additional 2.3, 4.8 or 7.2 TB of raw storage capacity to the existing storage array with high-performance 146 GB, 300 GB, or 450 GB SAS drives. Up to three StorTrends 3201j boxes can be cascaded from a head unit to deliver close to 48 TB of extra storage to capacity-hungry applications.

Users who expand their capacity with a StorTrends 3201j can take advantage of the Information Lifecycle Management (ILM) module featured in the StorTrends iTX Data Storage Software powering the head unit. The ILM module provides the capability to migrate data from front line SAN and NAS storage to less expensive JBOD storage based on the data's usage and aging history.

To ensure data availability and system reliability, the StorTrends 3201j includes fully redundant, hot-swappable I/O, power and cooling modules, all of which are field replaceable. Key system components are constantly monitored to ensure continuous operation in case of disk failure or an I/O module, power supply or cooling unit malfunction and can be viewed at a glance through the ManageTrends™ Health Monitoring window in StorTrends iTX.



StorTrends® 3201j

3U SAS/SATA JBOD Storage System

Features

StorTrends 3201j 3U SAS/SATA JBOD System

System Features

Form Factor:

Rack mount 3U Chassis with 16 Drive Bays

Drive Interface:

SAS and SATA II

Drive & Storage Capacity:

Sixteen 3.5" hot-swap SAS/SATA drives with hot-spare

Expansion Slots:

Each I/O module has two (2) SAS ports using industry standard Mini SAS 4x wide-port-SAS connectors (SFF-8088), one IN and one OUT for cascading JBODs

Other Connectors:

LED status indicator support for drives, FRU and enclosure environmental information

In-band SES enclosure management alerts user to out of spec operation: thermal condition, voltage condition or component failures, protecting data and hardware

Full subsystem management CLI through out-of-band RS232 serial port

Mechanical Specifications

Power Specifications:

Dual 500W, 100-240 Vac auto-ranging, 50-60 Hz, dual hot swap and redundant with PFC, N+1 design

8 A @ 100 Vac; 4 A @ 240 Vac (current rating with two power cords)

100-240 Vac Auto-Ranging

Power Consumption:

108.38 Watts (under load w/o HDD)

523.91 Watts (under load with SAS HDD)

Operating Temperature:

5°~40°C (-40°~60°C non operational)

Relative Humidity:

Maximum 95%

Dimensions (H x W x D):

13.1x 44.65x 56.1 cm (5.2 x 17.6 x 22.1in)

Weight:

Net weight: 30.5 kg (67.2 lbs) without drives (Assume each hard drive = 0.5 kg)

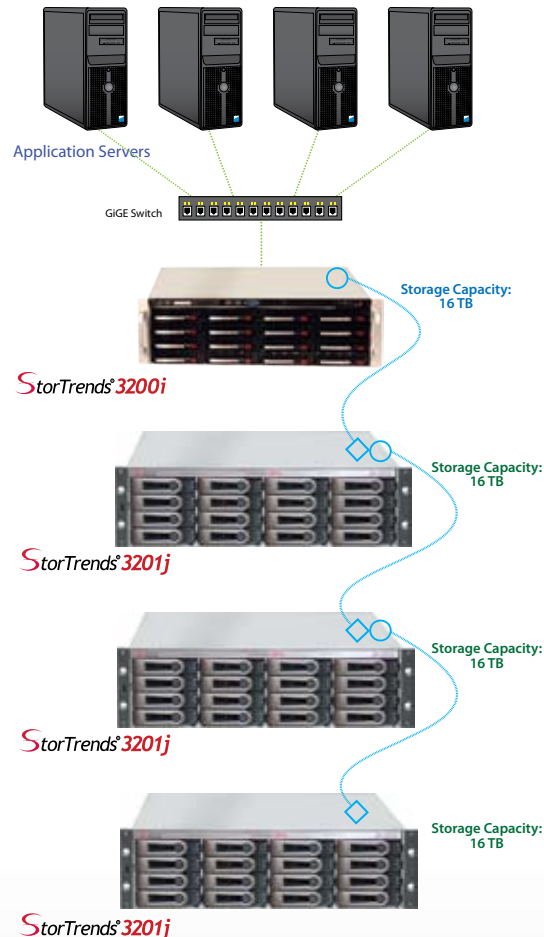
Gross weight: 37.5kg (82.7 lbs) without drives

UPS Support:

Smart UPS Support

Supports Windows® OS / iTX / Linux as UPS slaves and many UPS makes & models

Sample JBOD Configuration: StorTrends 3200i IP-SAN Head Unit with StorTrends 3201j JBOD Unit



Original Storage Capacity: 16 TB
Capacity Added with 3 JBODs: 48 TB
Total Storage Capacity: 64 TB



American Megatrends Inc. | www.ami.com

5555 Oakbrook Parkway, Suite 200

Norcross GA 30093 | t: 770.246.8600

Sales & Product Information

sales@ami.com | t: 800.828.9264

Technical Support

support@ami.com | t: 770.246.8645

Windows® is a registered trademark of Microsoft Corporation in the US and other countries. Other trademarks are the property of their respective owners.