

# StorTrends® 3100n

## 3U Network Attached Storage (NAS) Appliance



StorTrends® 3100n is an affordable 3U, high-density rack-mount Network Attached Storage (NAS) appliance, perfect for workgroups or departments. The StorTrends 3100n provides a reliable way to manage and store valuable business data without complexity. Easy to install, the 3100n enables an administrator to coordinate all functions relating to discovery, management, tracking and planning for future storage growth.

Data Sheet

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### HIGHLIGHTS

- > Up to 7.5 TB Capacity
- > Cross-platform file sharing over existing Ethernet network
- > SATA support with hot swap
- > Network teaming support
- > UPS support
- > ADS/NIS support
- > Hardware RAID support
  - RAID levels 0, 1, 1+N, 10, 10+N, 5, 50
  - Online capacity expansion
  - Online RAID level migration
  - Multiple array types per drive
  - Distributed sparing
  - Read with Write-back caching
  - Global dedicated and distributed hot-spare

### BENEFITS

- > Low Total Cost of Ownership (TCO)
- > Uses existing Ethernet infrastructure
- > Supports major file transfer protocols

AMI's StorTrends® 3100n NAS appliance is an ideal alternative to traditional Direct Attached Storage (DAS) environments. The StorTrends NAS appliances make it simple to centralize file data storage from Windows, UNIX, Linux and Mac clients across your existing Ethernet network.

The StorTrends 3100n offers maximum data protection with RAID 5 with network connectivity to major operating systems which is perfect for workgroups or departmental storage that are experiencing rapid data growth.

Administrators can save time and money by deploying StorTrends 3100n NAS appliances instead of inflexible DAS. Adding capacity in a DAS environment means adding a server and requires downtime. Adding capacity with AMI's StorTrends 3100n means no downtime for users and can be implemented for quick additional storage capacity or long term storage and much better disk utilization than DAS.

The StorTrends 3100n offers fifteen hot swappable drive bays with SATA support and network teaming support that ensures load balancing across the dual Ethernet ports. UPS support enables the automatic switching of the RAID cache mode to write-through in the event of a power loss.

Management of StorTrends appliances can be done using the integrated web-based GUI or using ManageTrends™. User's that need to manage more than one appliance will use ManageTrends to discover and manage StorTrends appliances deployed across the network. It also analyzes and tracks enterprise wide storage usage. AMI's management software provides event management, a detailed analysis of the storage usage and availability of the storage servers.

# StorTrends®

www.ami.com

# StorTrends® 3100n

## 3U Network Attached Storage (NAS) Appliance

### Features

#### Hardware Specifications

##### On-board CPU

Intel Dual Xeon 2.8 GHz Hyper-threaded

##### Host Interface

Dual Gigabit Ethernet

##### Drive Interface

15 x 1" hot-swap SATA bays

##### Drive Capacity

250 GB per drive or 500 GB per drive

##### Maximum Capacity per Enclosure

3.75 TB or 7.5 TB

##### Hardware RAID support

RAID levels 0, 1, 1+N, 10, 10+N, 5, 50

Online capacity expansion

Online RAID level migration

Multiple array types per drive

Distributed sparing

Read with Write-back caching

##### Status LEDs

Yes

##### Expansion Slots

Two (x8) PCI-Express slots

One (x4) PCI-Express slots

One 64-bit 133/100 MHz PCI-X

##### Data Management Ports

Two, 1 Gigabit Ethernet Data Ports

##### Other Connectors

Two Fast UART 1650 serial ports

Two USB 2.0/1.1 ports

##### Power Specifications

760W AC power supply module w/PFC

AC Voltage (100-240V, 50-60Hz, 14/7Amp)

Triple Redundant

##### Cooling Specifications

Four 4 x 9cm hot-swappable, 5,000RPM fans

Two 2 x 8cm rear exhaust, hot-swappable fans

Fan tachometer monitoring

##### Operating Environment

Operating Temperature:

10° to 35°C (50° to 95°F)

Non-operating Temperature:

-40° to 70°C (-40° to 158°F)

Operating Relative Humidity:

8% to 90% (non-condensing)

Non-operating Relative Humidity:

5% to 95% (non-condensing)

##### Physical Characteristics

Dimensions: 5.2" H x 17.7" W x 25.5" D

Weight: 72 lbs.

#### StorTrends iTX 2.1 Software

##### Advanced Storage Stack

High performance

Adaptive provisioning

Provision tracking

Storage alerts

Support for volumes up to 8TB

Snapshots

- Redirect(allocate) on Write (ROW)

- Mounting snapshots as Read-Only or Read-Write

- Up to 254 Read-Only snapshots and 254 Read-Write per volume

- Random snapshot deletion

- Rollback to any snapshot

Advanced caching

Caching assisted snapshot

Support for 32 volumes

##### Networking

TCP/IP                      Apple

Windows (CIFS)        SNMP

UNIX (NFS)                FTP (HTTP/HTTPS)

##### Business Continuance

NAS snapshot scheduling

##### Management

Command line interface through RS232 & SSH

Integrated web-based management

##### Event Management

Detailed Event Log

SNMP Traps (up to 4 destinations)

##### Remote Management

SNMP

##### Storage Data Management

Storage pool

LUN (Logical Unit Number) creation & mgt.

LUN dynamic volume expansion

Dynamic NAS volume expansion

Unified RAID Management

- Software RAID (levels 0, 1, 5)

##### Security

ACL security implementation supports:

- Local users

- Windows NT/2000 Domain users

- Windows 2003 Active Directory users

- NIS Domain users

##### UPS Support

Universal UPS support

Supports Windows OS/iTX/Linux as UPS

slaves and many UPS makes and models



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