



The StorTrends® 1100n is an affordable 1U rack-mount Network Attached Storage (NAS) appliance, perfect for workgroups or departments. It provides a reliable way to manage and store valuable business data without complexity. Easy to install, the 1100n 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

- > 1 TB or 2 TB NAS storage appliance
- > Cost-effective and scalable
- > Extreme performance levels
- > Network Teaming
- > Universal UPS Support
- > Failover / Failback
- > SATA support with hot swap
- > Advanced Snapshot
 - Redirect on Write (ROW)
 - Up to 254 Snapshots (R/O and R/W) per volume
 - Up to 992 Snapshots per box
 - Rollback from any snapshot
 - Random snapshot deletion
- > Volume Replication (Snapshot-assisted)
- > Uses existing Ethernet infrastructure
- > Software RAID 0, 1, and 5 support
- > Supports major file transfer protocols

AMI's StorTrends® 1100n 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 an existing Ethernet network.

The StorTrends 1100n offers maximum data protection with RAID5 and network connectivity to major operating systems, perfect for workgroups or departments that are experiencing rapid data growth.

Administrators can save time and money by deploying StorTrends 1100n NAS appliances instead of inflexible DAS units. Adding capacity in a DAS environment means adding a server, which requires downtime. Adding capacity with AMI's StorTrends 1100n means no downtime for users, and can be implemented for both quick, additional and long-term storage, as well as improved disk utilization when compared to DAS.

The StorTrends 1100n offers four hot-swappable drive bays with SATA support, and network teaming support that ensures load balancing across the dual Ethernet ports.

Data security is enhanced by the advanced snapshot capabilities of the StorTrends 1100n. With its low-overhead Redirect-onWrite (ROW) technology, the administrator has the power to rollback, review, and mount data snapshots to recover lost data quickly and with precision, just moments after a catastrophe.

Management of StorTrends appliances can be done using the integrated web-based GUI, or with ManageTrends™, AMI's storage management software. Users managing more than one StorTrends appliance can use ManageTrends to discover and manage appliances across the network. Manage Trends also provides event management, a detailed analysis of enterprise-wide storage usage, and storage server availability reporting.

StorTrends®

www.ami.com

StorTrends® 1100n

1U NAS Storage Appliance

Features

1 TB or 2 TB NAS Storage Appliance

StorTrends iTX 2.6 Software Stack

- High performance
- Cost-effective and scalable
- Transfer file data over existing Ethernet network
- Slim 1U rack mountable chassis
- Low Total Cost of Ownership (TCO)
- Supports major file transfer protocols
- Network Teaming
- Advanced Snapshot Capability
- Volume Replication (Snap-assisted)
- Storage Alerts
- Volume Expansion
- Support for volumes up to 8TB
- Support for 32 volumes
- SATA support with hot swap
- Hardware RAID Available
- Software RAID 0, 1, and 5 support

Hardware Specifications:

On-board CPU

Intel® Pentium® 4 3.0 GHz Hyper-threaded

Host Interface

Dual Gigabit Ethernet

Drive Interface

Four 3.5" hot-swap SATA bays

Drive & Storage Capacity

250 GB per drive or 500 GB per drive

1 TB or 2 TB per Appliance

Peripheral Drive

CD-ROM Drive

Status LEDs

Yes

Expansion Slots

Full height/length 64-bit 133/100 MHz PCI-X

Data Management Ports

Two 1 Gigabit Ethernet Data Ports

Other Connectors

One front Fast UART 1650 Serial Port

One rear Fast UART 1650 Serial Port

Two front USB 2.0/1.1 ports

Two rear USB 2.0/1.1 ports

Power Specifications

300W AC power supply module w/PFC

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

Cooling Specifications

Five 3 x 4cm 12,500 RPM 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: 1.7" H x 17.2" W x 19.8" D

Weight: 38 lbs.

Volume Replication

Snap-assisted

Replication Wizard

Failover / Failback

Advanced Snapshot

Up to 254 read-only, 254 writeable snapshots per volume

992 snapshots per box

Redirect (allocate) on Write (ROW)

Random snapshot deletion

Rollback to any snapshot

Mounting snapshots as Read-Only or Read-Write

Advanced Caching

Caching-assisted snapshot

Backup

VSS-based backup support for Windows® 2003 Servers

Backup agents for popular application servers

Networking

TCP/IP, FTP, HTTP/HTTPS, SNMP, Windows® (CIFS),

UNIX (NFS), Apple®

Security

ACL security implementation supports: Local users,

Windows® NT/2000 Domain users, Windows® 2003

Active Directory users, NIS Domain users

Management

Command line interface through RS232 & SSH

Integrated web-based management

Tool for easy customization, branding and theme

updating

Event Management

Detailed Event Log

SNMP Traps (up to 4 destinations)

Remote Management

SNMP, SMIS 1.1, VDS

Storage Data Management

Storage pool

LUN (Logical Unit Number) creation & management

LUN dynamic volume expansion

Dynamic NAS volume expansion

Unified RAID Management

UPS Support

Universal UPS Support

Supports Windows® OS/iTX/Linux as UPS slaves and

many UPS makes & models

Advanced Features

Advanced Snapshot Technology

AMI's Advanced Snapshot technology enables up to 254 snapshots (R/O and R/W) per volume. The module allows for rapid creation and deletion of a snapshot with near-zero degradation, permitting faster back-ups than ever before - with the assurance of a complete and secure back-up. Advanced Snapshot technology is focused on performance, enabling customers to mount a snapshot as a volume, read from a snapshot simultaneously, instantaneously roll back to a snapshot and delete it.

Snap-assisted Replication

This technology allows replication of snapshots in chronological order on a remote machine. Snapshots can be organized by application-based consistency groups. In fail-over to a secondary appliance, StorTrends iTX will automatically rollback to the latest consistent snapshot.

Advanced Caching Technology

Advanced Caching, a unique technology created by AMI, utilizes sector granularity technology based on an AMI proprietary mechanism, resulting in outstanding performance gains. Advanced Caching technology assists in snapshot read-modify-writes and in replication.



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