

RS4400 Affordable Network Storage



- A Terabyte of Storage Capacity
- Intel Pentium 4 2.4 GHz 512 cache
- Antivirus Protection Included
- DVD+RW option
- CD/DVD Archiving and Cache Option
- External Tape Option
- UPS Integration

Product Overview

The RS44000 is an award winning ATA based RAID Network Attached Storage system designed to be a cost-effective and highly reliable network storage system for meeting ever-growing storage demands yet delivering unsurpassed performance and enterprise class features affordably. Its powerful processor, reliable network accessibility, and ease of use make the RS4400 a very affordable terabyte storage solution. Firmware option allows this unit to archive and cache CD and DVD media. External and internal tape back-up configurations are available.

Major Features

- Built in Antivirus Protection
- CD/DVD Caching option
- SmartSync Data Synchronization
- External Tape option
- UPS smart signaling
- Supports RAID levels: 0, 1 (0+1), 3, 5
- Multi-Channel ATA133/100 disk interface
- Dual 10/100/GBE Ethernet interface
- Hot-swap components for easy maintenance

The RS4400 features an Intel Pentium Processor clocked at 2.4 GHz with 512KB L2 cache and can support up to 2GB of memory for fast performance, a four channel high performance ATA controller for quick access to four high capacity hard drives, and a dual 10/100/GBE Ethernet with automatic fail over and load balancing for robust and uninterrupted network access.

High Data Reliability

The RS4400 offers multiple levels of RAID protection; including, levels 0, 1, 5 and JBOD. Automatic drive failure detection, automatic background rebuild, and global hot spare make it possible for users to retrieve and write data at all times. A highly efficient and fault-resilient journaling file system ensures data integrity. An automatic bad sector re-mapping mechanism ensures RAID availability. Hard disks are hot-swappable and hot-spare disks are available with RAID 1 and 5. All these features provide for an affordable terabyte storage solution with superior data availability, protection, and reliability.

- Drive failure detection
- Automatic drive rebuild
- Dynamic RAID Expansion
- Global Hot Spare
- Comprehensive environmental monitoring
- Online hot spare with global assignment

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Network Environments

- Macintosh
- Microsoft
- Novell
- Unix
- CIFS/SMB, HTTP, NFS, SMTP, SNMP, TCP/IP

Storage Management

The RS4400 can be configured and managed in many ways; including, full front panel management, embedded web administration, and through NASTart a Windows based user interface. Environmental monitoring; including, drive status, file system integrity, fan speed, temperature of back plane and CPU, and power supply voltages are constantly monitored, logged, and reported via event notification. Event notification can be conducted by Email, Web reminder, and other broadcast features; including, SNMP (remote notification trap) for quick action.

SmartExtend & SmartSync

The goal of SmartExtend is to manage storage resources for multiple NAS storage units in a network as a single IP Storage network. That means better resource utilization, ease of storage management, and simpler expansion of storage infrastructure. The goal of SmartSync is to enable fast data replication and NAS-to-NAS backup by employing differential block transfer to speed up the process. All the backups are kept online for easy data restoration.

Backup & Restore

The RS4400 built in backup and restore software feature offers full or incremental backup, scheduled tasks, and multi-volume backup for full data protection. Administrators are able to define backup policies by incorporating one or more backup tasks. With the tape autoloader support, the NAS storage server performs unattended backups based on user-defined backup tasks. It facilitates routine backup tasks by making tape rotations, scheduled tape backups, and automatic tape drive cleaning. The built in backup and restore software feature can also utilize hardware compression capability. All in all it is simple, yet powerful enough to fulfill most backup demands.

Tech Specs

Controls and Indicators

- Backlit front LCD control panel
- Power and drive failure indicators
- Web management interface

Notification / Alarm

- Email
- Internal buzzer
- SNMP trap (remote notification)

Power Supply

- Dual redundant removable power modules
- AC input: 90 ~ 260 VAC, 47 Hz ~ 63 Hz
- Continuous output power: 350W

Cooling

- Hot swappable fan modules
- Low profile rack mount form factor

Dimensions

- Length: 19"
- Width: 17" w/o rack ears (19" with rack ears)
- Height: 7" (1 U)
- 35 lbs without drives

Certifications

- FCC Class A, CUL, UL, CE, BSMI

