

NAS R-NS-08

▶ NAS SAS / SATA RAID Subsystem



R-NS-08

Companies are looking for cost-effective storage solutions which can offer the best performance, high scalability and reliability. As the number of users and the amount of data grows, Network Attached Storage is becoming a critical technology and the need for an optimized solution is becoming an important requirement.

Raidstore delivers the NAS subsystem together with the NAS management solution, NAS High-Availability and Backup client backup solution to provide businesses with the most flexible, scalable, securable and manage-able NAS environment. It helps to control the total cost of ownership for data management.

The R-NS-08 is an SAS / SATA NAS Subsystem with NAS 1.1 operating system. It enhances system availability, and manages complex storage environments easily.

For improving business productivity and minimizing business risks, R-NS-08 provides a volume replication and a volume snapshot function. It is also a full featured data protection system supporting RAID levels 0, 1, 0+1, 5, and JBOD. It supports hot spares, automatic hot rebuild and online capacity expansion within the enclosure.

Highlights

- ▶ Configurable to 19" rack-mountable 2U chassis
- ▶ Supports up to Eight (8) 1" hot - swappable SAS / SATA hard drives
- ▶ Supports RAID levels 0, 1, 0+1, 5, and JBOD
- ▶ Smart-function LCD panel for RAID setting & ENC status
- ▶ Supports hot spare and automatic hot rebuild
- ▶ Allows online capacity expansion within the enclosure
- ▶ Two Gigabit 10/100/1000Mb Ethernet ports
- ▶ Linux-based embedded system(128MB Disk on Module)
- ▶ Centralization of Data and Storage Management
- ▶ Using Market-Leading Java Technology
- ▶ Latest volume snapshot technology
- ▶ Apply volume replication to enhance data protection
- ▶ Support logical volume over 2TB
- ▶ Data Backup via backup plan and scheduling
- ▶ Enhance system configuration backup
- ▶ Local and external account management
- ▶ Large account import
- ▶ Share management and permission
- ▶ Advance ACL setting for project share
- ▶ Support Internet Gateway function
- ▶ On-line expansion file system
- ▶ Support E-mail notification and system log information
- ▶ Multi application support



Hardware Platform	RAID Controller	Connectivity
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| <ul style="list-style-type: none"> ▶ Intel Pentium Dual-Core 1.6G or above Processor ▶ Cache memory: 2GB DDR2-533 ECC SDRAM ▶ Two Gigabit one 10/100Mb Ethernet ports ▶ Up to Eight 1" hot-swappable SATA II (3Gb/s, NCQ support) hard drives ▶ Real time drive activity and status indicators ▶ Environmental monitoring unit ▶ Two(2) 400W hot-swap power supplies with PFC | <ul style="list-style-type: none"> ▶ Intel 80321 64 bit RISC ▶ RAID level RAID 0, 1, 0+1, 5, and JBOD ▶ Supports 128MB up to 1GB of cache ECC unbuffered ▶ Supports hot spare and automatic hot rebuild ▶ Allows online capacity expansion within the enclosure ▶ Built-in serial port interface for remote event notification ▶ Local audible event notification alarm | <ul style="list-style-type: none"> ▶ SMB, CIFS over TCP/IP ▶ NFS over UDP/IP ▶ Cross platform data access ▶ Novell Network support ▶ FTP, HTTP file transfer ▶ DHCP ▶ NAT ▶ Internet gateway ▶ WINS Server ▶ Unit acts as a DHCP server ▶ Unit acts as a master browser ▶ Share level security ▶ File level security ▶ User ID security for NFS |
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Storage Management	Macintosh Support	General
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| <ul style="list-style-type: none"> ▶ Volume Management ▶ Disk usage statistics ▶ Hot spare capability ▶ Volume Snapshot ▶ Volume Replication | <ul style="list-style-type: none"> ▶ AFP over Apple Talk ▶ AFP over TCP/IP ▶ Mac zones | <ul style="list-style-type: none"> ▶ File Server Independent ▶ Peer-to-peer operation ▶ Localized language support ▶ Supports NIC / trunking / load balance / fail over ▶ Support UPS management |
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System Management	Data Protection	Power Requirements
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| <ul style="list-style-type: none"> ▶ Automatic IP address configuration ▶ Self-contained unit - no extras needed ▶ Management through Web browser ▶ Flash upgradeable unit ▶ Supports Microsoft ADS / PDC and Unix NIS accounts import ▶ SNMP / MRTG management and notification ▶ Fail-free online firmware upgrade ▶ Unicode support ▶ Multi-node Management GUI ▶ CLI management via Telnet or SSH | <ul style="list-style-type: none"> ▶ proNAS High Availability (option) ▶ proBackup Client Backup ▶ proNAS Data and Configuration Backup ▶ Support Veritas BackupExec Agent | <ul style="list-style-type: none"> ▶ AC 90V ~ 264V Full range ▶ 8A ~ 5A , 47 ~ 63Hz |
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Power Requirements

- ▶ 88(H) x 482(W) x 740(D) mm

Seagate Constellation ES Specs

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| ▶ Capacity-SATA 3Gb/s, 1.5Gb/s | - 2 TB, 1 TB, 750 GB, 500 GB |
| ▶ Capacity-SAS | - 600 GB, 450 GB, 300 GB |
| ▶ Spindle Speed (RPM) | - 7200 / 15K |
| ▶ Cache, Multisegmented (MB) | - 32 (SATA), 16 (SAS) |
| ▶ Seek Time, Read/Write (average, msec) | - 8.5/9.5 |
| ▶ Mean Time Between Failures (MTBF) (hours) | - 1.2 million |
| ▶ Reliability Rating at Full 24x7 Operation (AFR) | - 0.73% |
| ▶ Transfer Rate, Sustained (MB/s) | - 105 |
| ▶ Power Consumption (W, idle) | - 8.0 |
| ▶ Rotation Vibration @ 1500 Hz max (rad/sec) | - 12.5 |