

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 manageable 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 one 10/100Mb 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 |