

NAS

R-NS-4300N

4-Bay Network Attached Storage



R-NS-4300N

- ▶ RAID STORE, the worldwide leader in SAS/SATA RAID, brings its proven enterprise-class RAID technology to the SOHO/SMB users. RAID STORE safeguards your digital contents and makes them readily available to networked users.

High storage density for flexibility and economy

Seagate® Barracuda® ES hard drives are reliable as they have features like workload management, which reduces drive failure & lowers system heat levels by verifying data integrity when drive is thermally stressed.

Barracuda ES drives have IRAW (Idle Read After Write), which verifies the integrity of recently written data during idle time.

ERC (Error Recovery Control), another very important feature, which reduces unnecessary RAID rebuilds to drive error recovery times exceeding system timeout period.

The Barracuda ES drive is a best fit for nearline storage applications because of improved rotational vibration, PowerTrim™ technology, and quick and robust download FIW security.



One Touch Backup

enables a quick, automatic client backup at the touch of one button.



SmartSYNC

uses incremental backup to reduce time and space by including only changed files.



Snapshot

takes a real time image of SmartStor™ volume in seconds. Users can restore the specific point-in-time data at file level.



Replication

provides the most cost-effective disaster recovery solution by replicating data from a local NS4300N to a remote NS4300N via internet.

Highlights

- ▶ Up to four hot-swappable Seagate® Barracuda® ES hard drives
- ▶ Data sharing over Gigabit Ethernet
- ▶ Speed up data transportation rate by Gigabit Ethernet with Jumbo Frame
- ▶ Enterprise-proven RAID technology with RAID 0, 1, 5, 10 support
- ▶ One Touch Backup of designated folders on client PC
- ▶ USB HDDs, Printer and UPS Support
- ▶ Supports Microsoft ADS, User, Group, and Quota management
- ▶ FTP/SMB/CIFS/AFP/NFS Network Protocols Support; Shared Storage for Windows, Unix, Linux, MAC clients
- ▶ Powerful web-based GUI for remote management
- ▶ E-mail notification for activity/backup status and system errors

To ensure secure access, R-NS-4300N supports HTTPS, domain integration, Microsoft ADS, Unix NIS as well as User, Groups and Quota management.



NAS Features	
File Sharing Protocols	SMB/CIFS (Microsoft), AFP (Apple/Mac), NFS (Linux/Unix)
Network Protocols	FTP, DHCP Client
Client OS Support	Windows 2000, XP, 2003, Vista X86/X64, Linux/Unix, Mac OS X V10.4 and above
Client Utility OS Support	Windows 2000, XP, 2003, Vista X86/X64
Security/User Management	Domain Integration, Microsoft ADS, Unix NIS; User, Group & Quota management
USB Connectivity	HDD/Flash Drive (FAT32, EXT3), Printer, APC UPS
Data Protection Features	Snapshot backup, NAS to NAS replication, Client to NAS backup (SmartSYNC, One Touch Backup)
File System	EXT3 Journal File System, Multi-Volume
Others	Printer Server
Network Multimedia Feature	
Multimedia Server	UPNP and DLNA certified media server
RAID Management	
RAID Levels	RAID 0, 1, 10, 5, 5+Spare
RAID features	Hot spare, Gigabyte Rounding, Robust Error Handling, RAID Level Migration, On-line Capacity Expansion
System Management	
Web Browser Support	Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari
Multiple Languages Support	English, Traditional Chinese, Simplified Chinese, Japanese, Spanish, German, Italian, French, Korean, Russian
Coding System	Unicode
Management Protocols/Notifications	HTTP, HTTPS, NTP, SMTP, E-mail, audible(buzzer), visible (LEDs)
Management Tools	One-Touch, SmartSYNC (Client scheduling backup), Setup Wizard
LAN Interface	
Interface	IEEE802.3/IEEE802.3u/IEEE802.3ab Standard (1000BASE-T, 100BASE-TX, 10BASE-T)
Transmission Speed	10/100/1000 Mb/s, Jumbo frame 4K/7K/9K supported on 1000M/s
Access Method	CSMA/CD
Port/Connector	RJ-45
Ports	1
Maximum Transmission Distance	100 Meters
Disk Interface	
Number of Drives	4 Drives (3.5-inch only) Hot swappable
Specifications	Support 3Gb/s and 1.5Gb/s SATA drives with NCQ/TCQ; 48-bit LBA supported
Mechanical Specifications	
Power Supply	200W with PFC, 100-230V auto-ranging, 50-60Hz AC
Temperature	Operating: 5°C to 35°C
Humidity	Operating: 10%-85%
Dimensions (HxWxD)	188.2 x 152.5 x 229.6 mm (7.4 x 6.0 x 9.0 in)
Weight EMC/Safety	2.5 kg (5.5 lbs) without drives CE, FCC Class B, VCCI Class B, BSMI, UL, TUV, RoHS compliance
Warranty	1 years limited
Seagate Barracuda ES Specs	
Capacity-SATA 3Gb/s, 1.5Gb/s	2 TB, 1 TB, 750 GB, 500 GB, 250 GB
Spindle Speed (RPM)	7200
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 ²)	12.5

*Specification are subject to change without notice. All company and product names are trademarks of their respective owners.