


It's All About Your Data

SmartStor™ NS4300N 4-Bay Network Attached Storage

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4-Bay Network Attached Storage

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

New user interface and easy management feature

SmartNAVI, the advanced client utility for SmartStor™ NAS, inherits all features from the previous generation NAS Utility and is enhanced with AI (Artificial Intelligence). SmartNAVI can discover the client side network topology and optimize the SmartStor™ for the user's environment. This technology enables the user to configure SmartStor™ in two steps without any network knowledge. Additionally, an enhanced interface helps users access services on SmartStor™ via system navigator and quick menu. The easy Setup Wizard requires only few clicks to complete SmartStor™ NS4300N installation. The embedded web-based GUI management software, WebPASM, allows you to fully configure, monitor, shut down, and restart SmartStor™ NS4300N from local or remote site.

Advanced data protection and security

To accommodate the pressing needs of SOHO & SMB users to easily and efficiently protect precious data, SmartStor™ NS4300N offers comprehensive, automatic data protection features.



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.

To ensure secure access, SmartStor™ supports HTTPS, domain integration, Microsoft ADS, Unix NIS as well as User, Groups and Quota management.

Streaming and file sharing at Home

The SmartStor™ NS4300N functions as a Digital Media Streaming Server by utilizing DLNA's UPnP Protocol via Home and Local Area Networks. As a UPnP Certified Device, UPnP Media Control Points can discover and stream Music, Pictures and Video directly from the SmartStor™ NS4300N using applications such as PowerDVD, Nero Showtime, Wireless HD Media Players and Sony's PlayStation 3. When using Wireless HD Media Players or the PlayStation 3, No "PC" is needed for streaming services enabling you to view your Pictures and Videos in the comfort of your living room. In the near future HDTV LCD/Plasma Displays and Kitchen Appliances will be UPnP capable allowing access to your Personal Digital Entertainment anywhere in the Home.

As a small footprint BYOD (bring-your-own-disk) multi-terabyte SATA Network Storage Server, SmartStor™ NS4300N provides an easy, cost effective solution for SOHO & SMB users to share files and network resources. Support up to two hot-swappable SATA 3Gb/s hard drives, NS4300N allows you to expand capacity as your needs grow at the lowest incremental cost. Comprehensive file sharing protocols support enables cross-platform file services for Windows, UNIX, Linux, and Macintosh. SmartStor™ NS4300N can help to maximize your ROI and productivity by providing a scalable file service and print service solution.

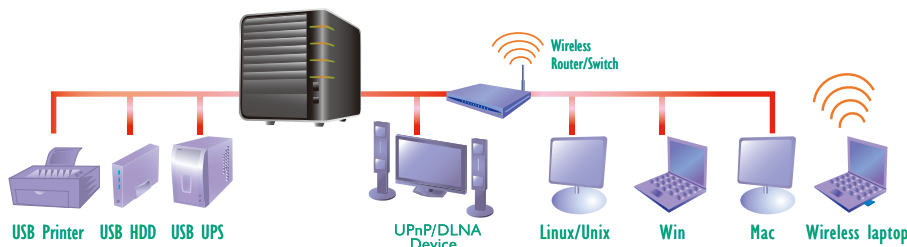
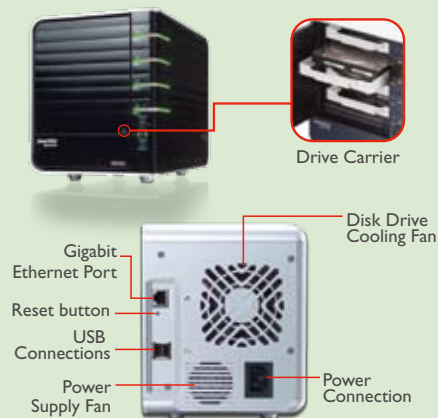


NS4300N Highlights

- Up to four hot-swappable SATA drives; provides up to 6TB of storage using four 1.5TB 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
- SmartSYNC of SmartNAVI backup for automatic client backup
- Snapshot for instant backup and restoration
- NAS to NAS replication for remote backup
- USB HDDs, Printer and UPS Support
- DLNA media server for digital home network environment
- iTunes server
- Apple Bonjour support for file services and printer server
- Supports Microsoft ADS; User, Group, and Quota management
- FTP/SMB/CIFS/AFP/NFS Network Protocols Support; Shared Storage for Windows, Unix, Linux, MAC clients
- Quick and easy-to-use Setup Wizard
- Powerful web-based GUI for remote management
- E-mail notification for activity/backup status and system errors
- Advanced chassis design for minimum power consumption and ultra-quiet operation



View of SmartStor NS4300N



Intuitive Graphic User Interface



Web-based Promise Advanced Storage Manager (WebPASM) is an easy-to-use software designed to simplify network storage management. It can configure, manage, and monitor your SmartStor NS4300N remotely.

New Generation Client Utility with AI Technology



SmartNAVI, the advanced client utility for SmartStor™ NAS, inherits all features from the previous generation NAS Utility and is enhanced with AI (Artificial Intelligence).

Features	
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, Mac OS X V10.4 and above
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 application and Multimedia Feature	
Multimedia Server	UPNP and DLNA certified media server
iTunes Server	iTunes server for iTunes
Download Station	HTTP, FTP, BT and Edonkey supported
RAID Management	
RAID Levels	RAID 0, 1, 10, 5, 5+Spare
RAID features	Hot spare, 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 Mbps,Jumbo frame 4K/7K/9K supported on 1000Mbps
Access Method	CSMA / CD
Port/Connector	RJ-45
Ports	1
Maximum Transmission Distance	100 Meters
USB Interface	
Interface	USB 2.0
Connector Type	USB Type A
Number of Ports	2
Disk Interface	
Number of Drives	4 Drives(3.5" 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%
Power consumption	78W typical (with four 250GB drives)
Dimensions(HxWxD)	188.2 x 152.5 x 229.6 mm (7.4 x 6.0 x 9.0 in)
Weight	2.5 kg (5.5 lbs) without drives
EMC/Safety	CE, FCC Class B, VCCI Class B, BSMI, UL, TUV, RoHS compliance
Package Content	SmartStor™ NS4300N Power Cable, Ethernet Cable, Quick Start Guide, Set of Screws Installation CD (NAS Utility, Product Manual, QSG), Drive Carriers
Warranty	2 years

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*Check www.promise.com for the latest operating system and hard disk drive compatibility.
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