

# It's All About Your Data

SmartStor™ NS4300N 4-Bay Network Attached Storage

## SmartStor™ NS4300N

### 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.

#### Simplified resource and file sharing

As a small footprint BYOD (Bring-Your-Own-Drives) multi-terabyte SATA Network Attached Storage, SmartStor™ NS4300N provides an easy, cost effective solution for SOHO & SMB users to share files and network resources. Support up to four 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.

#### 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.

#### Field-proven RAID technology

SmartStor™ comes with Promise's field-proven RAID technology. It supports RAID 0, 1, 5, 10, and offers rich enterprise-class RAID features at entry level price. Features include on-line capacity expansion, RAID level migration, advanced error handling (PerfectRAID™), hot spare, and more.

#### Ease of installation and management

Besides DHCP support for easy network configuration, SmartStor™ NS4300N features various management tools to meet the needs of novices and advanced users. The easy Setup Wizard requires only few clicks to complete installation of the SmartStor™ NS4300N. For Advanced users, the embedded web-based GUI management software, WebPASM, allows the users to fully configure, monitor, shut down, and restart SmartStor™ NS4300N locally and remotely.



#### NS4300N Highlights

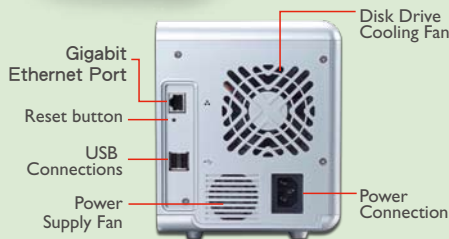
- ⌘ Up to four hot-swappable SATA 3Gb/s drives; provides up to 2TB storage capacity with four 500GB hard drives
- ⌘ Data sharing over Gigabit Ethernet
- ⌘ Enterprise-proven RAID technology with RAID 0, 1, 5, 10 support
- ⌘ One Touch Backup of designated folders on client PC
- ⌘ SmartSYNC backup for automatic client backup
- ⌘ Snapshot for instant backup and restoration
- ⌘ NAS to NAS replication for remote backup
- ⌘ 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
- ⌘ 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



Drive Carrier



Disk Drive Cooling Fan

Gigabit Ethernet Port

Reset button

USB Connections

Power Supply Fan

Power Connection

## Intuitive Graphic User Interface

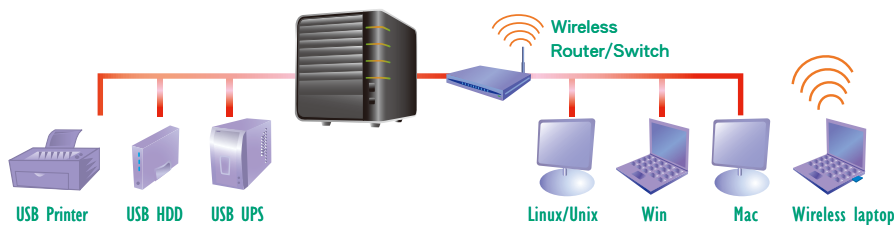


Web-based Promise Advanced Storage Manager (WebPASM) is an easy-to-use software designed to simplify network storage management. It can configure, manage, and monitor your SmartStor NS4300N remotely.

## The Leader in SAS/SATA RAID

Promise Technology is the originator of ATA RAID and worldwide leader in SAS/SATA RAID with over 14 million controllers shipped. Using Serial ATA and Serial Attached SCSI (SAS) technology to design and manufacture fast, reliable cost-effective data protection system, Promise is the preferred choice for SATA host bus adapters, RAID controllers and external SAS/SATA storage systems.

[www.promise.com](http://www.promise.com)



## Features

NAS Features	
File Sharing Protocols	SMB/CIFS (Microsoft), AFP (Apple/Mac), NFS (Linux/Unix)
Network Protocols	FTP, DHCP Client
Client OS Support	Windows, Linux/Unix, Mac OS
Client Utility OS Support	Windows
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
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
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
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)
Acoustic Noise	< 40db
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	3 years

\*Check [www.promise.com](http://www.promise.com) for the latest operating system and hard disk drive compatibility.  
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