ADOUT

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.

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 SmatStor™ 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
- **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



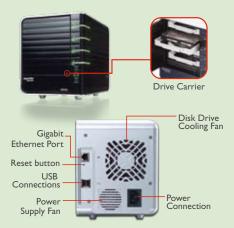








View of SmartStor NS4300N



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 SmartStorTM NAS, inherits all features from the previous generation NAS Utility and is enhanced with AI (Artificial Intelligence).

www.promise.com



File Sharing Protocols SMB/CIFS (Microsoft), AFP (Apple/Mac), NFS (Linux/Unix) Network Protocols Client Utility OS Support Windows 2000, XP, 2003, Vista X86/X64, Linux/Unix, 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) EXT3 Journal File System, Multi-Volume Others Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server Network application and Multimedia Feature Multimedia Server ITURES Server ITURES SERVER National Station MITTP, FTP, BT and Edonkey supported Management RAID Levels RAID Levels RAID Level Migration, On-line Capacity Expansion System Management Multiple Languages Support Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari Multiple Languages Support Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari Multiple Languages Support Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari Multiple Languages Support Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari Multiple Languages Support Internet Explorer 6 or above, Opera, FireFox 1.5, Netscape 7.0, Safari Multiple Languages Support Internet Explorer 6			
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LAN Interface Interface IEEE802.3/IEEE802.3u/IEEE802.3u/IEEE802.3ab Standard (1000BASE-T,100BASE-TX,10BASE-T) Transmission Speed 10 / 100 / 1000 Mbps, Jumbo frame 4K/7K/9K supported on 1000Mps 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	Notifications	, , , , , , , , , , , , , , , , , , , ,	
Interface IEEE802.3/IEEE802.3u/IEEE802.3u/IEEE802.3ab Standard (1000BASE-T,100BASE-T) Transmission Speed 10 / 100 / 1000 Mbps, Jumbo frame 4K/7K/9K supported on 1000Mps Access Method CSMA / CD Port / Connector RJ-45 Ports 1 Maximum Transmission Distance 100 Meters USB 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		One-Touch; SmartSYNC (Client scheduling backup) , Setup Wizard	
Transmission Speed 10 / 100 / 1000 Mbps, Jumbo frame 4K/7K/9K supported on 1000Mps Access Method CSMA / CD Port/Connector RJ-45 Ports 1 Maximum Transmission Distance 100 Meters USB 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	LAN Interface		
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Port/Connector RJ-45 Ports 1 Maximum Transmission Distance 100 Meters USB Interface Interface USB Type A Number of Ports 2 Disk Interface 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	Transmission Speed	10 / 100 / 1000 Mbps, Jumbo frame 4K/7K/9K supported on 1000Mps	
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	Access Method	CSMA / CD	
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	Port/Connector	RJ-45	
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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	Maximum Transmission Distance	100 Meters	
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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	Disk Interface		
Specifications Support 3Gb/s and 1.5Gb/s SATA drives with NCQ/TCQ; 48-bit LBA supported Mechanical Specifications 200W with PFC, 100-230V auto-ranging, 50-60Hz AC Temperature Operating; 5°C to 35°C Humidity Operating; 10%-85°C 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		4 Drives(3.5" only) Hot swappable	
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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	Mechanical Specifications		
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			
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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	,	, ,	
Weight 2.5 kg (5.5 lbs) without drives	·		
5 7	. ,	,	
	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		Power Cable, Ethernet Cable, Quick Start Guide, Set of Screws	
Installation CD (NAS Utility, Product Manual, QSG), Drive Carriers		Installation CD (NAS Utility, Product Manual, QSG), Drive Carriers	
Warranty 2 years	Warranty	2 years	

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:: Promise USA

Tel: +1 408 228 1400 E-mail: sales@promise.com

:: Promise EMEA

Son, The Netherlands Tel: +31 0 40 235 2600 E-mail: sales@promise-emea.com

:: Promise Germany

Dortmund, Germany Tel: +49 0 2 3 1 56 76 48 0 E-mail: sales-de@promise-<u>emea.com</u>

:: Promise Italy

Rome, Italy Tel: +39 0 6 367 126 26 E-mail: sales-it@promise-emea.com

:: Promise UK

Wokingham, United Kingdom Tel: +44 0 870 112 59 77 E-mail: sales@promise-emea.con

:: Promise Taiwan

Hsin-Chu, Taiwan Tel: +886 3 578 2395 E-mail: sales@promise.com.t

:: Promise China

Beijing, China/Shanghai, China Tel: +86 10 8857 8085/8095(Beijing) Tel: +86 21 6249 4192/93/99(Shanghai) E-mail: sales@promisechina.com

:: Promise Japan

Tokyo, Japan Tel: +81 3 5333 3631 E-mail: sales-jp@promise.com.tw