

It's All About Your Data

SmartStor™ NS4600

Network Attached Storage and Digital Media Server

 Promise Technology, the worldwide leader in SATA/SAS RAID, brings its proven enterprise-class RAID technology to the SOHO and SMB users. SmartStor™ safeguards your digital content and makes it readily available over your home or business network, or over the Internet.

Advanced and Reliable Data Backup Solution

To accommodate the pressing needs of SOHO and SMB users to easily and efficiently protect critical data, SmartStor™ NS4600 offers a complete set of automated data backup features.



One Touch Backup
Enable a quick, automatic client backup at the touch of a button.



Snapshot
Take a real time image of SmartStor™ NS4600 volume in seconds. Users are able to restore data to a specific point-in-time. SmartStor™ NS4600 supports up to 4 snapshot records.



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



Remote Replication
Provides the most cost-effective disaster recovery solution by replicating data from a local NS4600 to a remote NS4600 over Internet or LAN.

Field-proven RAID technology

SmartStor™ NS4600 features Promise's field-proven RAID technology. It supports RAID 0, 1, 5, and 10 in addition to offering enterprise-class RAID features at an entry-level price. Features include volume expansion, online RAID level migration, advanced error handling (Perfect RAID™), hot spare and more.

Home Digital Media Center



- **DLNA Certified Media Streaming Server**
The SmartStor™ NS4600 is a DLNA Certified Digital Media Server (DMS). Digital Media Players (DMP) can automatically discover DLNA Digital Media Servers.
- **Remote Access Media Center**
Enjoy and share your music, videos, and photos with your family and friends using Wi-Fi enabled portable device.
- **Media player**
Media Center enables users to manage and play their music and video files stored on the SmartStor™ NS4600. Simply select the file you wish to play and "enjoy".
- **Photo Album**
Do you have tens of thousands of images and wonder about how to organize them? Using Photo Album, you can create flash based photo albums and then share them with family and friends.

Data Center for File Sharing over the Internet

SmartStor™ NS4600 supports remote backup function over the Internet. No matter where you are in the world, you can backup your data and photos to the SmartStor™ NS4600, and share the data and photos with your colleagues or family immediately. SmartStor™ NS4600 supports File server, FTP, web server and Plug-in to expand functions.

An Ultra Quiet and Green Box

SmartStor™ NS4600 conforms to the RoHS environmental standard demonstrating Promise's continued commitment to the environment. The Standby feature of the SmartStor™ NS4600 allows hard drives to spin-down reducing power consumption during periods of inactivity. The Wake-on-LAN feature immediately returns the SmartStor™ NS4600 to active mode upon access your data. Thanks to the new enclosure design, system noise generated by the fan is no longer a concern.



NS4600 Highlights

- ⋮ High Performance RAID 5 with 30+ MB/s Sequential Write and 40+ MB/s Sequential Read
- ⋮ Data sharing over Internet, including Jumbo Frame support
- ⋮ Enterprise-proven RAID technology with RAID 0, 1, 5, and 10 support
- ⋮ Enterprise-proven RAID technology with RAID 0, 1, 5, and 10 support
- ⋮ One-Touch Backup of an external hard drive or digital camera via USB
- ⋮ Snapshot for instant backup and restoration
- ⋮ NAS-to-NAS replication for remote backup
- ⋮ SmartSYNC™ backup for automatic client backup
- ⋮ USB/eSATA external hard drive support
- ⋮ USB network printer support
- ⋮ DLNA Digital Media Server for accessing Music, Pictures and Video via Digital Media Players on the Home Network
- ⋮ Mobile Device and Remote Access support
- ⋮ iTunes Server with Video Playback support
- ⋮ Microsoft ADS support
- ⋮ FTP, SMB, CIFS, AFP, and NFS network protocol support
- ⋮ Shared storage for Windows, UNIX, Linux, and Mac OS X clients
- ⋮ Wake-on-LAN and Automatic Power-on



View of SmartStor[™] NS4600



Intuitive Graphic User Interface

SmartNAVI[™], The advanced client utility for Windows and MacOS, allows you to manage the SmartStor[™] through your network or over the Internet.



Mobile Media Center supports your iPhone and iPod-touch as well as other mobile devices with browsers. Share your music, video, and photos with your family and friends. Mobile Media Center enables you to more fully enjoy your media, wherever you are.



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SmartStor [™] NS4600 Features	
NAS Features	
File Sharing Protocols	SMB/CIFS (Microsoft), AFP (Apple/Mac OS X), NFS (Linux/Unix)
Network Protocols	FTP, DHCP client, NTP client
Client OS Support	Windows 2000, XP, 2003, Vista X86/64; Linux/Unix,
SmartNAVI [™] OS Support	Mac OS X v10.4 and above
Security	Windows 2000, XP, 2003, Vista X86/64; Mac OS X v10.4 and above
User Management	Domain Integration, Microsoft ADS, Unix NIS
Data Protection	User, Group, and Quota management Snapshot backup (up to 4 snapshot volumes) NAS-to-NAS remote replication Client-to-NAS backup One-Touch Backup for USB disks and digital cameras
Internal File System	EXT3 Journal file system, multi-volume
External File Systems	FAT, FAT32, EXT3 (USB and eSATA drives)
Others	Print Server
Network application and Multimedia Feature	
Multimedia Server	UPNP and DLNA certified
File Download Support	E-donkey, Bit Torrent
Mobile Device Remote Access	Supports various browsers and media players on portable devices
RAID Management	
RAID Levels	RAID 0, 1, 5, 5+spare, 10
RAID features	Hot Spare, Robust Error Handling, Online RAID Level Migration, Capacity Expansion, HDD Roaming
System Management	
Web Browser Support	Internet Explorer 6 or above, Opera, Firefox 1.5, Netscape 7.0, Safari
Language Support	English, Traditional Chinese, Simplified Chinese, Japanese, Spanish, German, Italian, French, Korean, Russian
Coding System	Unicode
Management Protocols	HTTP/HTTPS, NTP, SMTP, ADS
Notification	Email, Buzzer, LEDs
Management Tools	SmartNAVI [™] , WebPASM [™] , One-Touch Backup
LAN Interface	
Interface	IEEE Standards 802.3i (10Base-T), 802.3u (100Base-TX), 802.3ab (1000Base-T)
Transmission Speed	10 Mb/s, 100 Mb/s, or 1000 Mb/s depending on network
Jumbo Frames	4K, 9K, and 16K support at 1000 Mb/s rate
Number of Ports	1 port
Maximum Transmission Distance	100 Meters
USB Interface	
Interface	USB 2.0
Number of Ports	2 ports
Connector	USB Type A
Device Support	Hard disk drive, Flash drive, Network printer, APC UPS management
Disk Interface	
Interface	eSATA II
Number of Ports	1 port
Device Support	Hard disk drive
Mechanical Specifications	
Number of Drives	4 drives
Specifications	3.5 inch, 3Gb/s and 1.5Gb/s SATA hard disk drives
Feature Support	NCQ/TCQ, 48-bit LBA
Hot Swappable	YES
Power Saving	Spin-down Hard Drives in system Standby mode
Mechanical Specifications	
CPU	Intel 600 MHz
RAM	256 MB DDR II
Power Supply	90-100W with PFC, 100-230V auto-ranging, 50-60Hz AC
Temperature, Operating	5° to 35°C (41° to 95°F)
Humidity, Operating	10 to 85 percent
Dimensions (H x W x D)	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
Certification and Warranty	
EMC/Safety	CE, FCC Class B, VCCI Class B, BSMI, UL, TUV
Environmental	RoHS compliant
Warranty	2 years

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