



## One Box to Serve Them All

*Simple, Smart,  
and Smooth*

### SmartStor NSx700 Series Overview

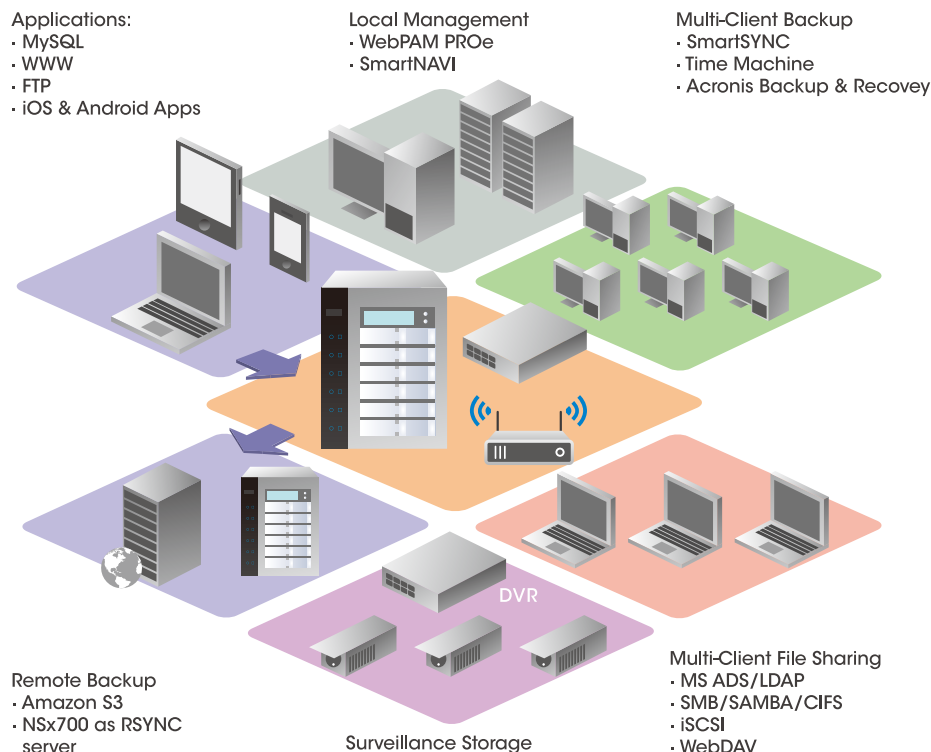
PROMISE Technology has provided RAID solutions for more than 22 years and understands how to protect your data better than anyone else in the industry. SmartStor NAS products are designed for multiple application and market environments. Today, PROMISE Technology is focused on proving versatile - easy to use and cost effective RAID solutions. Setup and configuration of SmartStor NAS Products is easier than ever with One Click Setup and intuitive Web Based Interfaces. The PROMISE NAS products are configurable in a matter of minutes with the Smart Wizard and even easier to maintain using WebPAM PROe.

#### SmartStor NSx700 series – NAS for Small and Medium Business

NSx700 series is designed for small and medium business environment. Powered by Intel Atom™ processor, the NSx700 provides outstanding performance to cope with your daily business. Moreover, the NSx700 series is equipped with PROMISE's enterprise RAID engine with RAID 0,1,5,6 and 10 support, bringing the advanced data protection features to your business. SmartStor NSx700 also provides several advanced data storage services such as NAS volume snapshot, remote backup, cloud storage service synchronization and diskless application with iSCSI into the 4bay/6bay compact box.



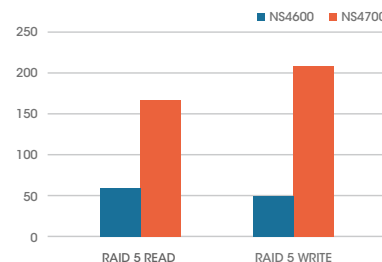
## SmartStor For Small & Medium Business



## Advanced Features & Outstanding Performance

### Outstanding Performance iSCSI NAS

The SmartStor NSx700 series NAS is an ideal solution for performance eager environments, such as SMB and SOHO offices. The SmartStor NSx700 series is powered by a powerful Intel Atom™ Dual-Core processor, also equipped with Dual Gigabit Ethernet ports, delivering blistering performance of up to 210MB/s in iSCSI application.

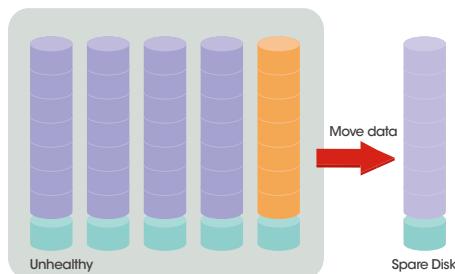


### Enterprise level RAID Protection

SmartStor NSx700 series is equipped with PROMISE's advanced RAID engine. The field proven RAID engine was a privilege for PROMISE's enterprise level RAID storage subsystem products, providing advanced data protection services such as RAID 6, bad sector error handling, PDM (Predictive Data Migration), Media Patrol, Redundancy Check, Online RAID migration and capacity expansion, now it's available for your business, too.

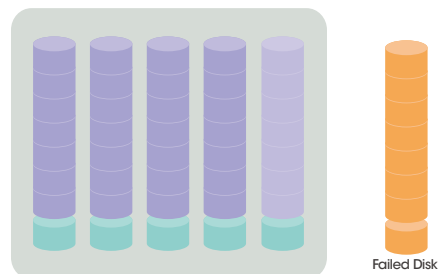
#### Under PDM Process

Disk Array



#### After PDM is Done

Disk Array

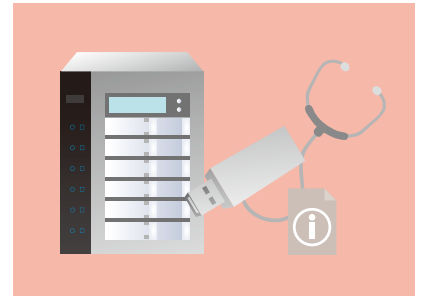


The PROMISE PDM monitors the health status of hard drives inside the system, and if the disk becomes unhealthy, PDM will copy all data from the unhealthy disk the spare disk prior disk fail, preventing data lose. The PDM process only takes few hours, in compare to several days array rebuild, PDM can not only safe for data, also save your time.

## Easy Management & Green

### USB System Retrieval

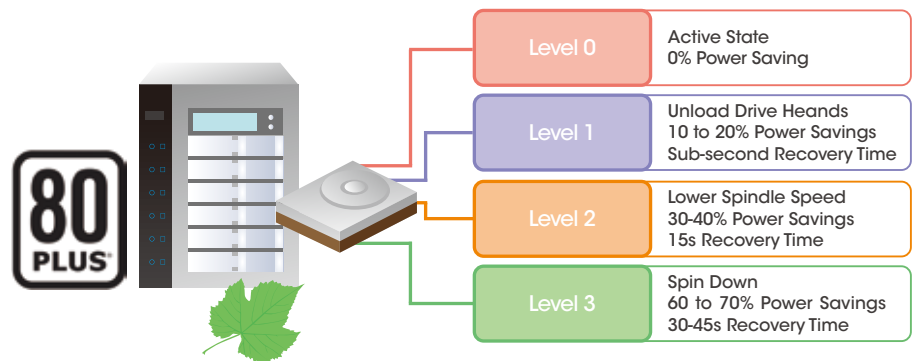
The USB retrieval functionality provides a new level of user convenience while doing NAS management and maintenance. With a simple USB stick plugging-in, it performs system information retrieval. System data and configuration can be transferred to USB 2.0 memory stick connected to the integrated USB port. The information can be forwarded to engineer for the technical service or support.



### GreenRAID Design

The SmartStor NSx700 leverages several Eco-friendly design to optimize the power consumption and decrease the carbon footprint.

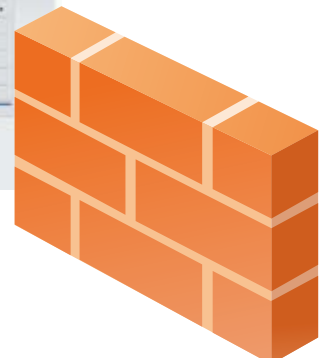
- MAID 2.0 Compliant: When the system is standby or idle, the MAID 2.0 standard allows hard drives to work in less power consuming behavior, such as unloading drive heads, lower spindle speed or having hard drives spinning down.
- 80 PLUS Power Adapter: By using the 80 PLUS certified power adapter, the power efficiency of SmartStor NSx700 is higher than regular power adapters, to decrease the unnecessary power waste during power converting.
- Scheduling: the NSx700 supports Wake ON LAN (WOL), Staggered Drive Spin-Up and Power On/Off Scheduling, the NAS units can be powered up only when a scheduled backup is required.



## Enhanced Network Security

### NAS Firewall

SmartStor NSx700 builds in firewall to help system administrator monitor the unnormal access. You can block unauthorized IP to NAS, to better protect your data stored on the NAS units.



## Ultimate Digital Home Experience

### The Ultimate Digital Media Server for the Digital Home

The SmartStor NAS is the ultimate DLNA (Digital Living Network Alliance) Digital Media Server (DMS) for the Digital Home, allowing Digital Media Players or any other DLNA or UPnP Digital Media Player to automatically discover and playback music, pictures and video. Simply copy your digital content to the appropriate folders on the SmartStor NAS and the rest is truly automatic. Your music, pictures or video will be automatically sorted based on ID3 Tag, Year & Date and Format & Resolution.

The SmartStor DLNA 1.5 Media Server also supports DLNA UPLOAD, allowing for digital content to be uploaded directly from mobile devices or mobile applications with support for DLNA 1.5 upload feature. You can also download content from the SmartStor NAS using any mobile device with DLNA Download support.



### Fusion Stream DLNA Digital Media App for Smartphones

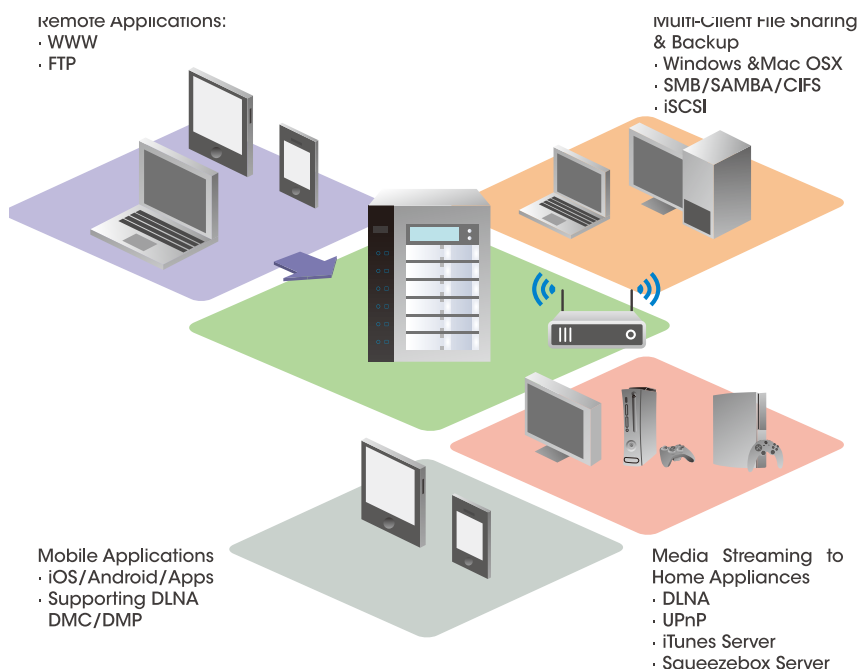
SmartStor Fusion Stream DLNA Digital Media App for Smartphones is available for iPad, iPhone, iPod touch and Android. Fusion Stream is a cutting edge DLNA Digital Media App that allows playback of Music, Pictures and Video stored on SmartStor NAS. Fusion Stream supports Upload of digital content from the Smartphone to SmartStor NAS and Download of digital content from SmartStor NAS to the Smartphone.

Fusion Stream's Digital Media Controller allows you to browse content on SmartStor NAS, then select and "control" playback of the digital content using a Digital Media Renderer (DMR). Fusion Stream also supports the ability to create, save and load playlists.



### Windows 7 Logo - Network Media Device

The SmartStor NAS has achieved Windows 7 Logo Network Media Device. This means the SmartStor NAS has been rigorously tested under Windows 7 Media Player. SmartStor NSx700 provides Album Art for Music and thumbnails or Pictures and Videos to ensure your media playback experience is rich.



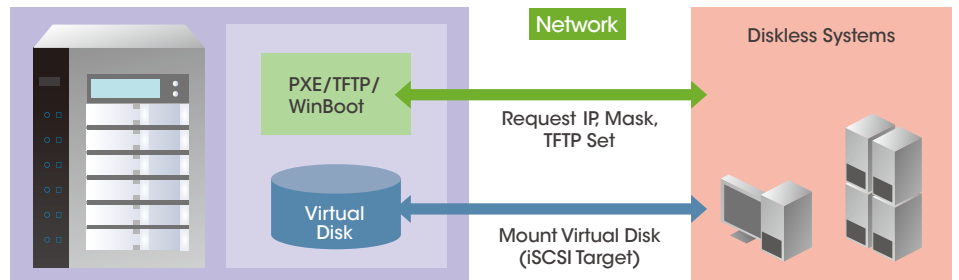
## Advanced Network Storage Features

### Best-In-Class iSCSI

PROMISE was one of the first on the scene with iSCSI for the Enterprise market back in 2004. Today, the Enterprise Level iSCSI Service is now available on the SmartStor NSx700 providing unparalleled iSCSI Target support along with High Performance in Single or Dual Port modes (load balancing or aggregated).

### An ideal Diskless solution

Tired of maintaining Operating Systems on multi clients systems in the office? The SmartStor NSx700 series supports both iSCSI target and iSCSI Pre-boot initiators in addition to PXE Server. This allows for clients computers on the local network to install and run the OS (such as Windows) from the SmartStor NSx700. Go diskless and leave individual client system maintenance in the past.



## Powerful Backup Solutions

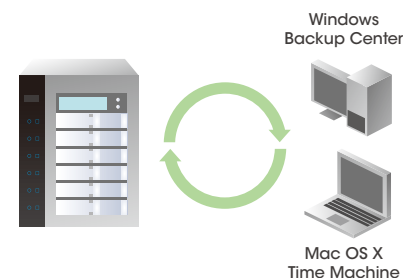
### Remote Backup

The Remote Replication Server feature of the SmartStor NSx700 series supports data replication from multiple RSYNC Clients or RSYNC servers.



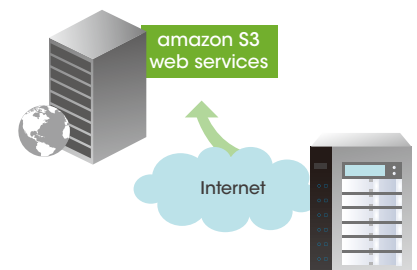
### Client to NAS backup

SmartNAVI includes a Backup Client Utility and is included with all SmartStor NAS. SmartNAVI supports Windows Vss (Shadow Copies of Shared Folders) which means you can backup files that are current open or locked by the OS without any problem. SmartStor NSx6700 is compatible with Apple's Time machine, Windows Backup Utility and most 3rd party backup solutions, the NSx700 series bundled the Acronis Back & Recovery software, users can install the software on Windows computers to backup or restore your data to NSx700.



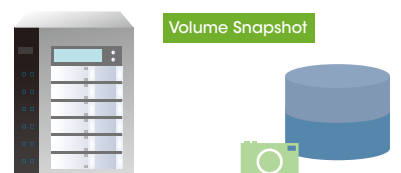
### Amazon's S3 Cloud Storage Solution



Backing up data to cloud storage service is a growing demand. SmartStor NSx700 series supports the best in class Amazon S3 solution, allowing users to backup the data on SmartStor NSx700 to the cloud. Backup Share Folders to the Amazon's fast and robust S3 Cloud Storage Solution. You can also restore back from the Cloud and schedule incremental backups.



### NAS Volume Snapshot

The Volume Snapshots allows a complete "snapshot" of the data on SmartStor NSx700 series NAS to be stored in a reserved partition. When the dedicated space for snapshots is about to exceed the usage capacity, the SmartStor NSx700 series will auto expand the reserved partition to fulfill the scheduled snapshot. All non-administrator users can access their own home directory from their snapshots stored on the SmartStor NSx700.



Series	SmartStor NSx700 Series	
Model	NS6700	NS4700
Pictures		
HW Spec		
Form Factor	6 bay tower	4 bay tower
Processor	Intel Atom™ D525 Dual-Core 1.8GHz	
RAM	1GB	
LCD Module	Yes	
Power Supply	250W (80 PLUS Certified)	
Gigabit Ethernet Port	2	
USB 2.0 Port	5	
RAID Management		
RAID Level	0, 1, 1E, 5, 6, 10, 30, 50	0, 1, 1E, 5, 6, 10
RAID Migration	Online	
Variable stripe block sizes	Yes	
PDM	Yes	
DDF (Disk Data Format)	Yes	
Disk Hot Swap	Yes	
Capacity Expansion	Online	
System Management		
Client OS support	Windows, Mac, Linux, Unix	
NAS File System	XFS	
External storage support	EXT3, EXT4 *, FAT32, XFS, HFS+, NTFS	
Protocol support	SMB/CIFS, NFS, FTP, AFP, FTP, WebDAV, SNMP, SSH, Telnet, HTTP/HTTPS, LLTD, DHCP (Server/Client), IPV4, IPV6, DDNS	
USB Retrival	Yes	
System Firewall	Yes	
iSCSI	Target, Initiator, CHAP, LUN Mapping, LUN Masking, MPIO,	
Windows ADS/ LDAP	Windows ADS/ Open LDAP	
Languages Support	English, Spanish, Italian, French, German, Russian, Traditional Chinese, Simplified Chinese, Japanese, Korean.	
Backup Solution		
Client Backup Utility	SmartSync (support Windows VSS, schedule backup/restore), Apple Time Machine	
Third-Party utility Bundle	Acronis Backup & Restore NAS Edition	
Acronis Support version	Workstation version: Windows 7 (x32, x64), Vista (x32), XP (x32, x64), Home Server Server version: Windows 2008 SP2 (x32) , Server 2008 R2 (x64), 2003 (x32, x64), 2000 Server	
External storage Backup	Schedule Restore/Backup, One-Touch-Backup	
Volume Snapshot	Auto snapshot volume capacity expansion, user home directory access	
Remote Backup	Volume Snapshot before backup (rsync)	
PXE Server	Yes	
Cloud Storage	Amazon S3	
Power Management		
Power ON/OFF	Schedule, Auto Recovery, Wake-on-LAN	
UPS	USB/Ethernet	
Multimedia		
Media Stream Sharing	DLNA 1.5 Certified, Windows 7 logo, uPnP, Apple iTunes	
Download Station	FTP, HTTP, Emule, Bittorrent	
Mobile App	Fusion Stream App for iOS and Android	
Mechanical Specifications		
Temperature	Operating: 5°C to 40°C	
Humidity	Operating: 10% to 85%	
Dimensions (HxWxD)	251 x 188 x 243	191x 188 x 243
EMC Safety	CE, FCC Class B, VCCI Class B, BSMI, KCC UL, TUV, BSMI	
Warranty	2 years	

\* Specifications may change without notice.

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