

QBack Series

The expert of encrypted backup solution for personal and mobile users

QBack-25 Series

(2.5" IDE/ SATA)



OTB Backup



Auto Backup



Instant Backup



Schedule Backup

QBack-35S

(3.5" SATA)



Windows 2000/XP/ Vista (32-bit) compliant

Did these lousy things ever happen to you when backing up data from Windows to external enclosures?

- The whole backup process was aborted when an error occurred.
- The data to be copied was scattered in different locations.
- You could not identify which files are new and need to be backed up.
- You could not locate the emails and IE bookmarks for backup.

All these troubles will be gone by using QNAP's exclusive intelligent backup software-QBack.

Exclusive Professional Software QBack, Auto-sync Encrypted Backup



Multiple Backup Modes

- Auto Backup: Automatic backup of data in your computer drives, My Documents, Desktop, and Favorites etc.
- One Touch Button (OTB) Backup for immediate backup by pressing the one touch button.
- Instant Backup: Immediate backup of all selected files.
- Schedule Backup: Intelligent backup according to preset schedule.

Secure Disk Management

You can partition the hard drive of the QBack device as Public and Secure disks. The Secure Disk is protected by AES 256-bit encryption and is only accessible by authorized password.

Email Backup

Supports backup and restore of emails, contacts, and calendar etc. of Outlook Express, Outlook, and Windows Mail.

Smart Capacity Detection

The storage capacity required for backup is calculated immediately before backup is executed to ensure successful data copy.

Turbo NAS Series

(1 Bay/ 2 Bay for SOHO and Home Users)
All-in-one NAS server and multimedia center



TS-209/ TS-209 II (2-Bay · Hot Swap) **TS-109/ TS-109 II** (1-Bay · Fanless)

Powerful Multimedia Storage Center

UPnP Media Server (with built-in TwonkyMedia Server)

Turbo NAS is a perfect media storage center and it works well with DLNA (Digital Living Network Alliance) compliant media players. You can play the photos and videos on TV. In addition, you can listen to your favorite music and Internet Radio on your Hi-Fi System.

Share your music by iTunes Server

All your MP3 music can be collectively stored and streamed to Mac or Windows PC. Just turn on the iTunes program and enjoy all the music around your home network.

Multimedia Station for photo sharing

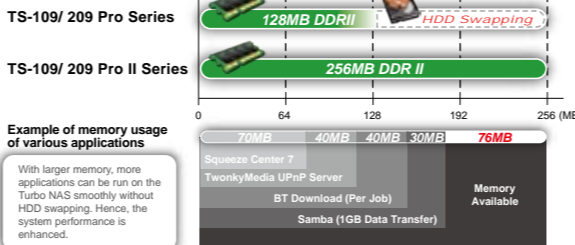
By uploading your photos to Turbo NAS, the server automatically generates a web-based photo album with thumbnails and details, such as date, resolution, focal length, aperture, etc.

Enjoy continuous download independent of PC

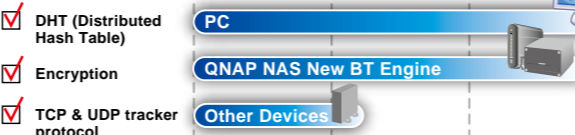
The Turbo NAS serves as a continuous download machine without turning on your PC. The Turbo NAS supports download through BitTorrent, FTP, and HTTP. For BitTorrent download, brand-new BT Engine is embedded with the Turbo NAS. Users will enjoy the super high speed through TCP/ UDP, and encrypted BT download function. Meanwhile, DHT (Distributed Hash Tables) is also supported.



Superior System Performance



Ultra High-speed BT Download with the New BT Engine



Slow Fast Ultra-Fast

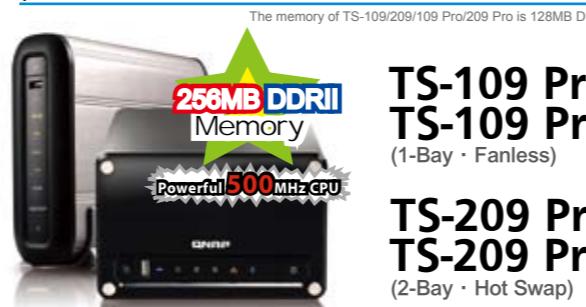
Exclusive Supports PS3 and Xbox360!!



All the photos, music, and videos stored in Turbo NAS can be played via PS3 or Xbox360 on your LCD TV or stereo Hi-Fi system. Digital home theatre is easily set up by Turbo NAS

Turbo NAS Pro Series

(1-Bay/ 2-Bay for SOHO and SMB Users)
The most economic investment in ultra-high performance All-in-1 NAS



Support Windows, Mac, Linux*, and Unix*

Turbo NAS is specially designed for different users to share the files across Windows, Mac, Linux, and Unix environment.

Support Windows AD*

Windows AD (Active Directory) saves not only server manager's time and effort in creating duplicated groups and accounts, but also lowers the maintenance cost by centralized management.

Create your own file server easily

Turbo NAS allows server manager to create user ID and password, and define the authority and quota for each user.

FTP server simplifies data sharing

By using Turbo NAS, you can manage the access authority of the FTP server and share your files with your friends or customers easily in a few steps.

Backup server with auto-backup software

The automatic backup software, NetBak Replicator, is provided for users to perform real-time synchronization or schedule backup from multiple PCs to Turbo NAS.

Remote replication

Files can be backed up from Turbo NAS to other QNAP NAS products in remote locations.

Establish your interactive web server

Turbo NAS supports Joomla!, MySQL, SQLite and editable php.ini.

MySQL server

Turbo NAS can be applied flexibly in various deployments such as a database server of another web server in remote site or as an additional backup database server.

Store, access and share your data securely

- Personal data stored on Turbo NAS is well protected: Server manager can create user ID and password, and define the authority and quota.
- IP filter control: Users can allow or deny specified IP connections.
- SSL Security (HTTPS): Users can access and manage Turbo NAS by using web browser securely.
- Remote login your Turbo NAS by SSH (secure shell) or Telnet connection.
- Secure FTP: Share and transfer data over SSL/TLS (explicit) encryption.
- Support passive mode FTP port range setup.

(* For Turbo NAS Pro/ Pro II Series only)

TS-409 Turbo NAS Series

(Ultimate RAID Solution for SMB)
The most reliable and high performance 4-bay hot-swappable NAS for modern business

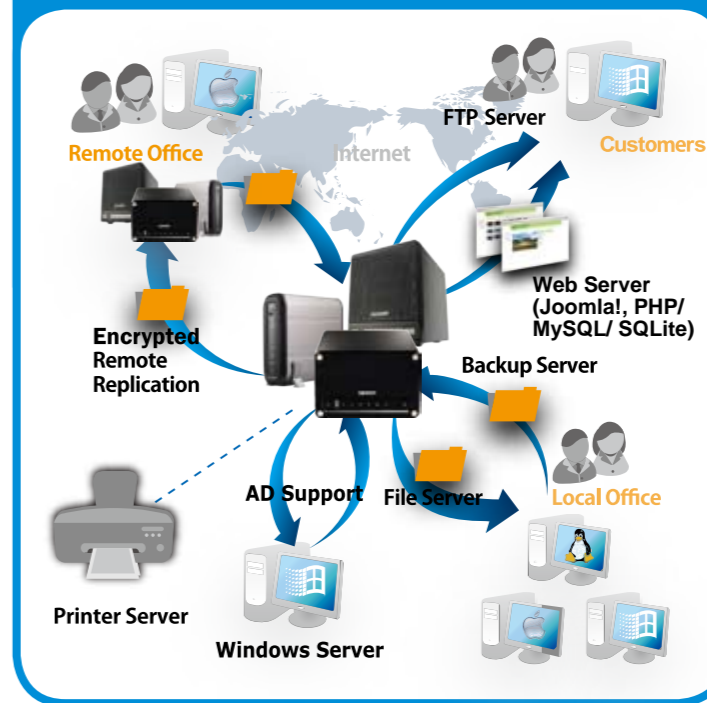
TS-409
TS-409 Pro
(4-Bay · Hot Swap)



256MB DDRII Memory

Powerful 500MHz CPU

In e-business times, enterprise users need a trust-worthy NAS as a data storage center. The NAS is accessible by all kinds of OS users (Windows, Mac, Linux, and Unix). Windows AD support saves server manager's time and effort in access control, and also lowers the maintenance cost by centralized management.



S.M.A.R.T. & Advanced HDD Health Scanning (HHS)
Turbo NAS supports Hard Disk Drive S.M.A.R.T. (Self-Monitoring Analysis and Reporting Technology) which enables users to monitor the hard drive status and check the potential problems. This tool helps prevent unexpected failure of hard drives and avoid critical data crash. Users can select the hard disk to check the health status, and have a quick overview of the selected drive on the summary page. Moreover, Turbo NAS is embedded with HHS Technology which supports disk checking and bad blocks scanning to prevent potential data loss.

Comprehensive Event Log System

Detailed logs of file-level data access to Turbo NAS via samba, FTP, AFP, HTTP, HTTPS, Telnet, and SSH, and networking services accessed by on-line users are all recorded. Server managers can monitor the status of Turbo NAS closely.

Printer Server

You can share your printer device over the network by simply connecting a USB printer to Turbo NAS USB port (Max. 3 sets) and enabling the printer sharing function.

UPS Support

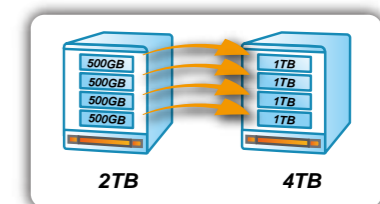
The key function of UPS is to use the battery to provide the power for a period of time when a power failure occurs. Turbo NAS supports both APC and MGE UPS devices which help users store the data in time and avoid critical data loss when power outage occurs during data transfer.

The Most Advanced RAID Management

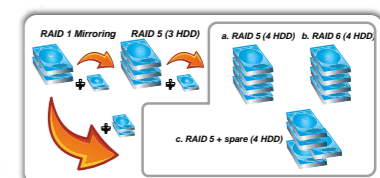
To ensure the data security, TS-409 Series offers advanced disk configurations for RAID 0/ 1/ 5/ 6, 5 + Spare, Single, and JBOD. (RAID 6 is rarely provided in the same class of NAS server.) TS-409 Series' RAID 6 and RAID 5 even allow one more hard drive failure than other NAS of the same level. Therefore, when 2 drives fail in RAID 5 or 3 drives fail in RAID 6, TS-409 Series will enter read-only protection mode, and users can still rescue their critical data. This effectively lowers down the risk of data loss caused by failure of hard disks.

Online RAID Capacity Expansion & Online RAID Level Migration

The intelligent online RAID capacity expansion and online RAID level migration tool are supported! Online RAID level migration allows users to transfer and upgrade the RAID level settings easily; online RAID capacity expansion enables users to flexibly expand the storage capacity with all the data reserved.



The existing hard drives on TS-409 Series can be replaced step-by-step for storage capacity expansion without turning off the server. Non-stop server services are guaranteed!



The RAID level of TS-409 Series can be upgraded to high level for more secure data protection without turning off the server. Non-stop server services are guaranteed!

(* For TS-409 Series only)

About QNAP



QNAP Systems, INC. (QNAP) is a devoted and dominant provider of Internet Appliance products. With our solid and integrated expertise in the Linux embedded platform, QNAP has released more than 30 models for the network storage and digital network surveillance series over the past 5 years, providing our consumers with high performance and high reliability storage, backup, and surveillance solutions. All the awards and review recommendations that QNAP gained are the best evidence of the professional approval.



Customer Service

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Updates & Download

<http://www.qnap.com/download.asp>



Product Information

<http://www.qnap.com>

What is 有備無患? 有(yu), 備(pei), 無(wu), 患(huan).

This is an old Chinese saying, and we can interpret it word by word.

- 「有」 means "have" or "with".
- 「備」 means "preparation" or "backup".
- 「無」 means "no" or "without".
- 「患」 means "disaster" or "pain".

This saying means, "back up to avoid disasters".

Dealer Seal



Model Name	TS-109/ TS-109 II	TS-209/ TS-209 II	TS-409	TS-109 Pro/ TS-109 Pro II	TS-209 Pro/ TS-209 Pro II	TS-409 Pro	
System	CPU	Marvell 5182 500 Mhz	Marvell 5182 500 Mhz	Marvell 5281 500 Mhz	Marvell 5182 500 Mhz	Marvell 5281 500 Mhz	
	Memory (DDRII)	128MB/ 256MB	128MB/ 256MB	256MB	128MB/ 256MB	128MB/ 256MB	
	Flash	8MB	8MB	8MB	8MB	8MB	
HDD	Number of drives	1* 3.5" SATA I/II	2*3.5" SATA I/II	4*3.5" SATA I/II	1* 3.5" SATA I/II	2*3.5" SATA I/II	
	Max. capacity	up to 1TB	up to 2TB	up to 4TB	up to 1TB	up to 2TB	
LAN	Gigabit Ethernet	1	-	-	1	-	
	eSATA	1	-	-	1	-	
I/O Port	USB Port	3	3	3	3	3	
	One touch copy button	●	●	●	●	●	
Client Platform	Windows 98/ME/XP/2000/2003/Vista (CIFS/SMB)	●	●	●	●	●	
	Mac OS X (AppleTalk)	●	●	●	●	●	
	Linux/ Unix (NFS)	-	-	-	-	-	
Network	TCP/ IP	●	●	●	●	●	
	DHCP server	●	●	●	●	●	
	Dynamic DNS	●	●	●	●	●	
	Jumbo frame	●	●	●	●	●	
Network Security	Windows AD	-	-	-	-	-	
	IP filter	●	●	●	●	●	
	FTP over SSL/ TLS (Explicit)	●	●	●	●	●	
	Passive mode with port range setup	●	●	●	●	●	
Disk Management	Encrypted remote replication	●	●	●	●	●	
	Hot swappable	-	●	-	●	●	
	Optional RAID/ RAID	Q-RAID 1	0/ 1, JBOD, Single	0/ 1/ 5/ 6, 5+spare, single, JBOD *	Q-RAID 1	0/ 1, JBOD, Single	0/ 1/ 5/ 6, 5+spare, single, JBOD *
	Bad block scan	●	●	●	●	●	
File Server and FTP Server	HDD check disk	●	●	●	●	●	
	Web File Manager	●	●	●	●	●	
	FTP over SSL/ TLS (Explicit)	●	●	●	●	●	
	Passive mode with port range setup	●	●	●	●	●	
Backup	FTP bandwidth control	●	●	●	●	●	
	Local backup	●	●	●	●	●	
	Encrypted remote replication	●	●	●	●	●	
	Remote replication	●	●	●	●	●	
System Management	One touch USB copy	●	●	●	●	●	
	Multilingual support	15	15	15	15	15	
	Mail alert notification	●	●	●	●	●	
	Smart fan	-	●	●	-	●	
Expansion Capability	Network recycle bin	●	●	●	●	●	
	Event logs	●	●	●	●	●	
	Expand storage via external USB/ eSATA device	●	●	●	●	●	
	UPS support	●	●	●	●	●	
Web Server	Printer server service	●	●	●	●	●	
	3rd party backup software	●	●	●	●	●	
	Web Server	●	●	●	●	●	
	PHP	●	●	●	●	●	
Telnet	MySQL/ SQLite	●	●	●	●	●	
	Built-in Joomla!	●	●	●	●	●	
	Built-in phpMyAdmin	●	●	●	●	●	
	Telnet login	●	●	●	●	●	
Multimedia	Telnet & SSH login	●	●	●	●	●	
	UPnP/DLNA media server	●	●	●	●	●	
	Internet radio (DMA)	●	●	●	●	●	
	Web-based photo album	●	●	●	●	●	
Download	iTunes server	●	●	●	●	●	
	Web-based Download Station (BT/HTTP/FTP download)	●	●	●	●	●	
	UPnP auto port forwarding for BT download	●	●	●	●	●	
	DHT support	●	●	●	●	●	
Remote download management software (QGet)							

* 0/ 1/ 5/ 6, 5+spare, single, JBOD, online RAID capacity expansion, online RAID level migration

Specifications

Professional Hardware Design



One-Touch-Copy Button (QBack Series)

As long as you finish the software setting once, you can back up your data easily by the USB one-touch-copy button. By only one touch, the instant backup is executed.



QBack-25 Series

The unique anti-shock design has been specially geared to prevent the HDD from potential damage due to drops and other shocks from impact. The PCB bubble and shockproof pads on four corners protect the QBack device and help extend product life.



QBack-35S

The dual support of USB and eSATA enables flexible capacity expansion. Moreover, QBack-35S works perfectly with QNAP TS-109 series for the unique QRAID-1 mode.



TS-109 Series

Turbo NAS is the perfect multimedia center for digital home. QNAP's one-bay NAS series adopts fanless design for absolute quiet operation. Effective thermal dissipation is achieved by the metal case.



TS-209 Series/ TS-409 Series

TS-209 and TS-409 series support hot-swap design. The chic metal casing and excellent ventilation of the NAS assures longer lifespan of your hard drives.



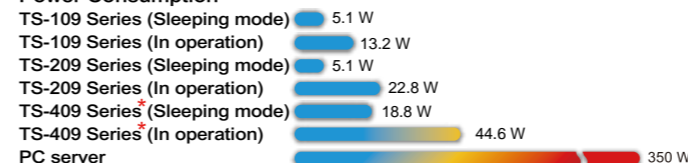
Anti-kick Power Adaptor Design

TS-409 series adopts anti-kick power adaptor design for unintended power loss prevention.

Excellent Mechanical Design

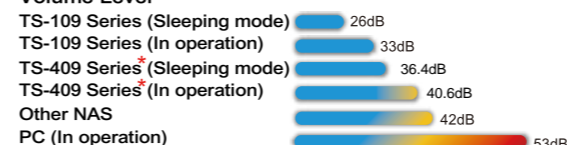
Low Power Consumption

Power Consumption

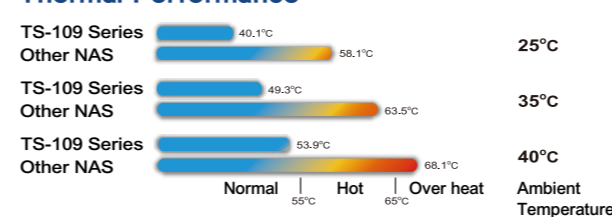


Quiet and Noise-free Design

Volume Level



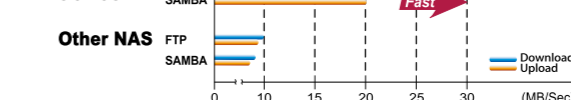
Thermal Performance



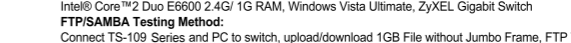
* 4 hard drives

Ultra-High Speed Performance

TS-109 Series



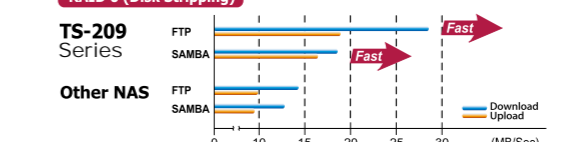
Other NAS



FTP/SAMBA Testing Environment: Intel® Core™2 Duo E6600 2.4G/ 1G RAM, Windows Vista Ultimate, ZyXEL Gigabit Switch

FTP/SAMBA Testing Method: Connect TS-109 Series and PC to switch, upload/download 1GB File without Jumbo Frame, FTP Tool: FileZilla

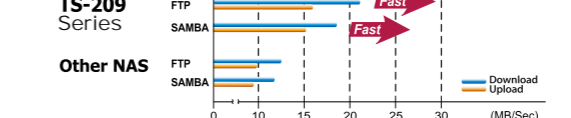
RAID 0 (Disk Stripping)



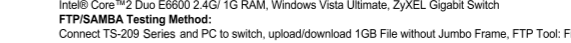
Other NAS



RAID 1 (Disk Mirroring)



Other NAS



FTP/SAMBA Testing Environment: Intel® Core™2 Duo E6600 2.4G/ 1G RAM, Windows Vista Ultimate, ZyXEL Gigabit Switch

FTP/SAMBA Testing Method: Connect TS-209 Series and PC to switch, upload/download 1GB File without Jumbo Frame, FTP Tool: FileZilla

Quality

BEST CHOICE OF ALL-IN-1 NAS



有備無患

Personal / Mobile Users
 Home / SOHO Users
 SMB / Enterprise Users

Total Backup Solution
 All-in-1 NAS Series

QNAP
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