

QNAP®

9in1

NAS Server

TS-101 Turbo Station

The World's Most Powerful & Reliable
Mini NAS Barebone System



The 9 in 1 NAS Server for Personal,
Home and SOHO Users!

Features

- ▶ Easy to use, simple set-up in a few steps!
- ▶ Support SATA disk of up to 500GB or above, and extendable to 1TB by eSATA/USB port
- ▶ 3 high speed USB 2.0 to support USB printer, disk, digital camera, pen drive, card reader, USB Hub
- ▶ High speed transfer port: 480Mbps USB 2.0, Gigabit Ethernet, 1.5GB eSATA. Data transfer can be done in a flash
- ▶ Most reliable data backup: instant/ schedule/ real-time backup
- ▶ Best heat-dissipation, shock-resistance, anti-collision aluminum design

Support 10 Languages

Software interface, user manual, and Quick Installation Guide (QIG) are available in 10 languages.

English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, and Russian

Support
client OS

Mac

Windows
98/ME/NT
2000/XP/2003

SATA

eSATA

Gigabit
Ethernet

USB
2.0 x 3

K-LOCK

<http://www.qnap.com.tw>



Multimedia Station

Enrich Your Digital Multimedia Life

TS-101 provides the most user-friendly web interface to manage personal albums and multimedia files easily.

Share Precious Moments of Your Life with Your Friends & Family
Precious photos and video files can be saved in TS-101 and shared among friends and family via the network.

Flexible Viewing Mode

Multiple ways of viewing multimedia files are provided that you can view image or video files directly, or use thumbnail display to preview photos.



Share with Friends & Family



Download Station

Uninterrupted Download Anytime Anywhere

TS-101 enables P2P (Bit Torrent) to download files automatically independent of PC. TS-101 can fully utilize your broadband and runs 24 hours a day but consumes little power.

You can add, manage, and arrange download tasks priority when you are away from home, and enjoy the downloaded files when you get back.

Select BT seeds for downloading



Users do not have to monitor the download process



Mirror Station

Protect Your Data with Q-RAID 1

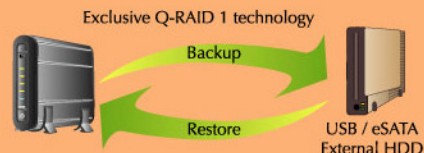
The very first single disk to support RAID 1 mirroring protection by external hard disk in the world!

Exclusive Q-RAID 1 Technology

When backup is executed once, data can be automatically backed up by connecting the external disk to TS-101 directly. There is no need to configure the settings in administration interface. Manual operation is required for the first time backup to enhance secure data protection.

Restore Critical Data from Q-RAID 1

When the main storage disk is damaged, the backup disk can be installed to TS-101 to resume normal operation. You can also purchase and install a new hard disk in TS-101 and restore the data from the Q-RAID 1 backup disk.



Restore critical data from Q-RAID 1 HDD



Disaster Recovery

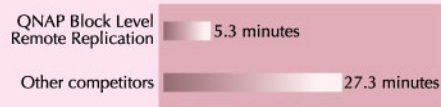
Remote Replication, Achieves Disaster Recovery

Files can be backed up from TS-101 to another TS-101 or other QNAP NAS products in remote location for speedy data recovery.

TS-101 Block Level Remote Replication supports backup of modified data and greatly reduces replication time compared to commonly used file level transfer. Besides, automatic data compression transmission mode saves up to 2/3 transfer time.

TS-101 Remote Replication also comes with instant, scheduled, synchronization mode for the best remote backup management.

Fastest Network Remote Replication



Copy 100MB file via 512K ADSL (10MB changed)



Backup Server

Makes Backup a Simpler Work

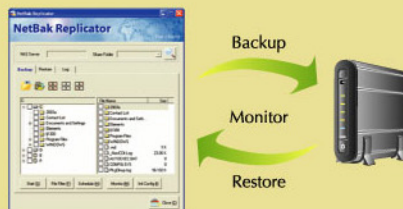
Using client-side backup software-NetBak Replicator, data can be backed up in one click. TS-101 is the most convenient file backup center.

Practical Functions of Client-side Backup Software

- Instant & schedule automatic backup
- File filter function
- Real time file monitoring and backup
- File restore from remote destination

High Usability Backup Choices

Users can select multiple folders and files for backup simultaneously through either LAN or Internet connection.




File Server

Supports access from either Windows PC or MAC to centralize management of documents. Access right of users and user groups can be configured easily. Only authorized parties can read or modify files, which greatly enhance the security of data access.



Printer Server

Simply connect USB printer to the USB port of TS-101 to enable printer sharing function without occupying any PC resource.



FTP Server

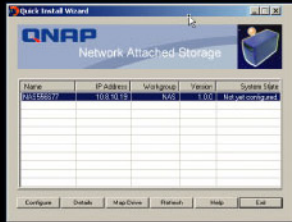
Different FTP accounts can be set up for customers and colleagues to access files from remote location. Staff working outside office can access the server from the Internet to enhance mobility of work and reduce the inconvenience of large file transfer by e-mail. TS-101 simplifies the procedure of establishing an FTP server in a few steps without the need for MIS help.



Web Server

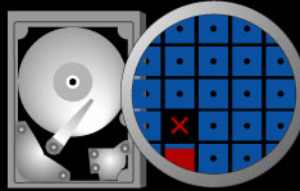
TS-101 lets you easily publish your HTML files as your own website on the Internet. There is no need of going through all the hassles of setting up a web server.

Easy to Install



TS-101 settings can be easily completed by Quick Install Wizard.

Advanced HDD Health Scanning (HHS)



Embedded HHS technology advises bad block before HDD crash.

Intelligent One Touch Auto Copy



When USB device is installed, simply press the copy button and all USB data can be copied to TS-101 independent of PC.

Perfect Combination of Silence & Energy Saving



Low power consumption SoC system chip, smart hard disk sleep function, fanless design, TS-101 can run 24x7, 365 days for all applications!

Application

Personal Use

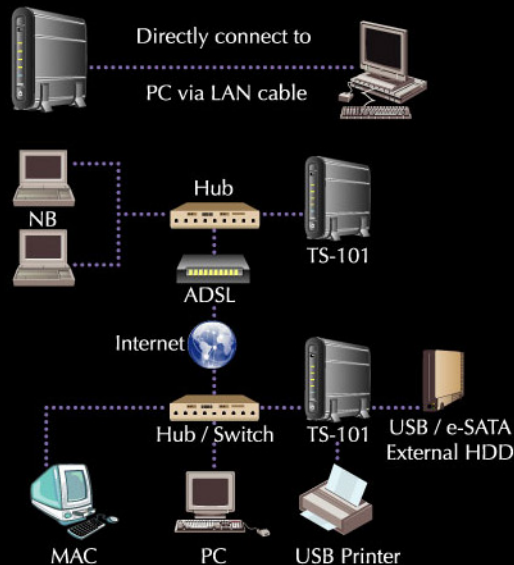
Easy to install and use, you can set up your own data center in a few minutes. TS-101 helps manage your multimedia, FTP, web and download station smartly. You can share files with friends around the world.

Home User

Provide a home-based network platform and friendly web-based user interface for family members to easily store, manage, share and back up large files. Enrich your digital home life in a simple way.

Small Business

Provide a smart and simple backup server (business solution) for local PC in LAN or PC in remote location through internet. TS-101 protects your business data, helps you reach more customers and serve them better.



- USB 2.0 x 3**
480Mbps high speed USB 2.0 support USB printer, disk, digital camera, pen drive, card reader, USB hub
- eSATA**
External Serial-ATA HDD interface
- Gigabit Ethernet**
- Reset Button**
- Power Cord Hook**
Keep power cord connected even TS-101 is kicked or hit
- K-Lock Security Slot**
Prevent TS-101 From being stolen



Intelligent Auto Copy Button

When a USB storage device is plugged in, press this button and TS-101 will copy the data from the USB device to TS-101 HDD automatically.

Power Button

BEST CHOICE

Hardware Specifications

CPU	SoC
DRAM	64MB
Flash Memory	16MB
HDD Capacity	1 x 3.5" SATA HDD, up to 500GB or above (the standard system is shipped without HDD)
LAN Port	1 x Gigabit RJ-45 Ethernet port
LED Indicators	USB, Status, HDD, eSATA, LAN, Power
USB	3 x USB 2.0, support USB printer, disk, digital camera, pen drive, card reader, USB hub
eSATA	1 x eSATA port
Buttons	Intelligent USB Auto Copy Button Power Button Reset Button
Form Factor	Portable desktop
Dimensions	210(D) x 60(W) x 182(H) mm
Weight	Net weight: 1.2Kg Gross weight: 2.5Kg
Operation Environment	Temperature 0~35°C Humidity 0~85% R.H
Power Supply	External power adapter, 36W, 100~240V
Energy-saving Design	Fanless, HDD sleep mode Low powerconsumption & low noise
Thermal Solution	Heat dissipation by aluminum case
Secure Design	K-Lock security slot for theft prevention Power cord hook for kicking-off prevention

Package Contents



Software Specifications

Operation System	Linux embedded system
Network Transport Protocols	TCP/IP • NetBEUI • AppleTalk®
Network File Protocols	Microsoft® networks (CIFS/SMB) • Apple® (AFP) Internet (HTTP) • File Transfer Protocol (FTP)
OS Supported (for Client PC)	Microsoft® Windows® 98/ME/NT/2000/XP/2003 Macintosh® system 7.5 or above
Network Management	Fixed IP address • Dynamic IP address File service for Microsoft® networking
Network Service	Apple® networking FTP service (max suggested 64 concurrent connections) Single disk
Disk Management	Q-RAID 1 with external USB/eSATA Hard disk Disk usage status management Check disk / Bad blocks scan
Device Configuration	SATA disk • USB disk • USB printer • eSATA disk
User Management	User account management (max 512 users) User group management (max 1024 groups) Users can change password
File System Management	Network Share management (max 1023 Shares) Share level ACL support • Unicode support Journaling file system • Over 2 GB files support
System Tools	E-mail alert (support SMTP authentication) HDD standby mode setting • Disk usage alert Auto power on • System firmware upgrade Change homepage Logo Backup, Restore, Reset system setting
Event Log	Display system log/alert/error
System Management	Web-based administration(auto detect language) Quick Install Wizard • LED display Reset button • Support network time protocol
Multi-language Support	English, Traditional Chinese, Simplified Chinese, Japanese, Korean, French, German, Italian, Spanish, and Russian
Backup Management	Support client backup software NetBak Replicator Schedule to Remote Replication backup Block Level Remote Replication
Printer Server	Network printer sharing via USB (support Windows platform only)
Web File Manager	Manage files via webpage
Web Server	Establish user own web page
Multimedia Station	Image slide show, rotate (+90°, -90°) Showing photo information from digital camera Viewing by thumbnail • Album management Multimedia (video, audio) file local play Support Bit Torrent download
Download Station	Download task management (automatic relaying if interrupted) • Download configuration Download status list management (download percentage)

About QNAP

QNAP Systems, Inc. (QNAP) is a devoted and dominant provider of Internet Appliance (IA) products. QNAP was a previous IA business unit of ICP Electronics, Inc. (ICP). We have more than 4 years' solid and successful experience in designing and developing innovative and customized IA products. Our extensive expertise and product lines cover networking storage, digital surveillance and message communication.

QNAP has our own R&D, business development, and technical support sections to provide quality customer-oriented services. Until now QNAP has already released more than 20 NAS models for SMB (small and medium business). Our IA products have received ISO 9001 qualification, covering product design, manufacturing and supply. QNAP is dedicated to providing top quality products in the market and offering complete support to our customers.



NAS-4300 Best Choice
Computex 2003



NAS-2000 Editor's Choice
Digital Home (UK)



NAS-5100 2004 Golden
Torch Award



TS-101 IT Magazine 2006, Network
Storage Device of the Year, Taiwan

QNAP®

QNAP SYSTEMS, INC. <http://www.qnap.com.tw>

21 F, No. 77, Sec. 1, Xintai 5th Rd, Xizhi City, Taipei County, 221, Taiwan, R.O.C.
TEL: +886-2-8698-2000 FAX: +886-2-8698-2270 E-mail: sales@qnap.com.tw

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