Superior Performance NAS with iSCSI for Business

Business Series Turbo NAS

FTP (Read/Write)

(2) Testing results may vary in different system condition

· 83.6/24.1 (MB/sec)

· 83.6/24.1 (MB/sec)













116.4/112.3 (MB/sec)

115.6/97.7 (MB/sec)







113.7/100.2 (MB/sec)

	CPU	Dual-core Intel® Atom™ Processor (1.8 GHz)/Single-core Intel® Atom™ Processor (1.8 GHz) ®									
	RAM		168								
	Extra RAM Slot (Memory Expansion)	-	-	1	-	1	-	1	-	-	
	Max. Number of Internal Hard Drives (1)	2	4	4	5	5	6	6	8	8	
	Hard Drive Interface	SATA 3Gb/s, SSD	SATA 3Gb/s, SSD	SATA 6Gb/s, SATA 3Gb/s, SSD	SATA 3Gb/s, SSD	SATA 6Gb/s, SATA 3Gb/s, SSD	SATA 3Gb/s, SSD	SATA 6Gb/s SATA 3Gb/s, SSD	SATA 3Gb/s, SSD	SATA 3Gb/s, SSD	
Hardware	USB 3.0	-	-	2	-	2	-	2	-	-	
	Dimensions	• 177(H) x180(W) x235(D) mm • 6.97(H) x7.09(W) x9.25(D) inch	•150(H) x102(W) x216 (D) mm •5.91(H) x4.02(W) x8.5(D) inch	•150(H) x102(W) x216 (D) mm •5.91(H) x4.02(W) x8.5(D) inch	•185(H) x210.6(W) x235.4(D) mm •7.28(H) x8.29(W) x9.27(D) inch	• 185(H) x210.6(W) x235.4(D) mm • 7.28(H) x8.29(W) x9.27(D) inch	• 175(H) x257(W) x235(D) mm • 6.9(H) x10.12(W) x9.25(D) inch	• 175(H) x257(W) x235(D) mm • 6.9(H) x10.12(W) x9.25(D) inch	• 185.2(H) x298.2(W) x235.4(D) mm • 7.29(H) x11.74(W) x9.27(D) inch	• 298(H) x 200(W) x 270(D) mm • 11.73(H) x 7.87(W) x 10.63(D) inch	
	Weight	 1.74 kg / 3.84 lb (Net) 2.92 kg / 6.44 lb (Gross) 	 3.65 kg / 8.04 lb (Net) 4.65 kg / 10.24 lb (Gross) 	•3.65 kg / 8.04 lb (Net) •4.65 kg / 10.24 lb (Gross)	• 5.1 kg / 11.24 lb (Net) • 6.5 kg / 14.33 lb (Gross)	 5.1 kg / 11.24 lb (Net) 6.5 kg / 14.33 lb (Gross) 	• 5.2 kg / 11.46 lb (Net) • 6.5 kg / 14.33 lb (Gross)	 5.2 kg / 11.46 lb (Net) 6.5 kg / 14.33 lb (Gross) 	 7.3 kg / 16.08 lb (Net) 8.6 kg / 18.94 lb (Gross) 	• 8.1 kg / 17.86 lb (Net) • 9.8 kg / 21.61 lb (Gross)	
	Power	 AC Input Power Voltage: 100V–240V Power Frequency: 50Hz–60Hz External Power Adaptor 		 AC Input Power Voltage: 100 Power Frequency: 50Hz–60H Internal Power Supply: 250V 				 AC Input Power Voltage: 100V–240V Power Frequency: 50Hz–60Hz Internal Power Supply: 350W 	AC Input Power Voltage: 100V–240V Power Frequency: 50Hz–60Hz Internal Power Supply: 350W	 AC Input Power Voltage:100V–240V Power Frequency: 47Hz–63Hz Internal Power Supply: 350W 	
	Power Consumption	Sleep: 16W/15W* In Operation: 25W/22W*	Sleep: 19W/19W* In Operation: 35W/33W*	Sleep: 21W In Operation: 38W	Sleep: 21W In Operation: 38W	Sleep: 21W In Operation: 38W	Sleep: 22W In Operation: 43W	Sleep: 22W In Operation: 43W	Sleep: 30W In Operation: 59W	Sleep: 42W In Operation: 81W	
Software	Disk Management	Single Disk, JBOD, RAID 0, 1	Single Disk, JBOD, RAID 0, 1, 10, 5, 6, 5+Hot Spare Single Disk, JBOD, RAID 0, 1, 10, 5, 6, 5+Hot Spare, 5+Hot Spare, 5+Hot Spare							Single Disk, JBOD, RAID 0, 1, 10, 5, 6, 10+Hot Spare, 5+Hot Spare, 6+Hot Spare	
	Access Right Management	Max. No. of User Accounts: 2048 Max. No. of Groups: 256 Max. No. of Shared Folders: 256	Max. No. of User Accounts: 4096 Max. No. of Groups: 512 Max. No. of Share Folders: 512								
	IP Camera Support	2	4								
	Touch-N-Go Installation	-	Yes								
Performance (2)	SAMBA (Read/Write)	• 115.1/105.7 • 114.7/100.8* (MB/sec)	• 115.4/107 • 115.1/88.3* (MB/sec)	115.4/107 (MB/sec)	116.1/104.3 (MB/sec)	116.1/103.4 (MB/sec)	116.1/103.4 (MB/sec)	116.1/103.4 (MB/sec)	116.1/106.8 (MB/sec)	115.4/101.2 (MB/sec)	
	FTP (Read/Write)	• 115.7/114.4 • 115.1/108.7* (MB/sec)	· 116.4/115.4 · 115.4/93.7* (MB/sec)	116.4/ 115.4 (MB/sec)	113.5/101.3 (MB/sec)	113.5/101.3 (MB/sec)	115.0/102.4 (MB/sec)	115.0/102.4 (MB/sec)	115.2/102.4 (MB/sec)	115.6/97.7 (MB/sec)	

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		TS-410U	TS-412U	TS-419U+	TS-459U-SP+	TS-459U-RP+	TS-859U-RP+	TS-809U-RP	
	CPU	Marvell® 800 MHz Marvell® 1.2 GHz		Marvell® 1.6 GHz	Marvell* 1.6 GHz Dual-core Intel® Atom™ Processor (1.8 GHz)			Intel® Core 2 Duo Processor (2.8 GHz)	
	RAM	512MB	256MB	512MB		1GB		2GB	
	Max. Number of Internal Hard Drives ⁽¹⁾			4			8		
	Dimensions	• 44(H) x 439(W) x 483(D) mm • 1.73(H) x 16.97(W) x 19.02(D) inch	 44(H) x 439(W) x 483(D) mm 1.73(H) x 16.97(W) x 19.02(D) inch 	 44(H) x 439(W) x 483(D) mm 1.73(H) x 16.97(W) x 19.02(D) inch 	 44(H) x 439(W) x 499(D) mm 1.73(H) x 16.97(W) x 19.65(D) inch 	 44(H) × 439(W) × 499(D) mm 1.73(H) × 16.97(W) × 19.65(D) inch 	 88.9(H) x 482.6(W) x 531.5(D) mm 3.5(H) x 19(W) x 20.93(D) inch 	• 88.9(H) x 482.6(W) x 531.5(D) mm • 3.5(H) x 19(W) x 20.93(D) inch	
Hardware	Weight		• 6.7 kg / 14.77 lb (Net) • 9.5 kg / 20.94 lb (Gross)		 7.63 kg / 16.82 lb (Net) 9.55 kg / 21.05 lb (Gross) 	 8.38 kg / 18.44 lb (Net) 10.3 kg / 22.71 lb (Gross) 	• 12.15 kg / 26.79 lb (Net) • 14.87 kg / 32.78 lb (Gross)	 12.15 kg / 26.79 lb (Net) 14.87 kg / 32.78 lb (Gross) 	
	Power		AC Input Power Voltage: 100V–24 Power Frequency: 50Hz–60Hz Internal Power Supply: 250W	10V	 Single PSU AC Input Power Voltage: 100V–240V Power Frequency: 50Hz–60Hz Internal Power Supply: 150W 	 Redundant PSU AC Input Power Voltage: 100V–240V Power Frequency: 50Hz–60Hz Internal Power Supply: 150W 	• Redundant PSU • AC Input Power Voltage: 100V–240V • Power Frequency: 47Hz–63Hz • Internal Power Supply: 300W		
	Power Consumption	Sleep: 14W In Operation: 28W			Sleep: 40W In Operation: 62W		Sleep: 46W In Operation: 73W	Sleep: 53W In Operation: 101W	
	Disk Management				Single Disk, JBOD, RAID 0, 1, 10, 5, 6, 10+Hot Spare, 5+Hot Spare, 6+Hot Spare				
Software	Access Right Management								
	IP Camera Support								
	Touch-N-Go Installation			Yes					
	SAMBA (Read/Write)	• 63.0/21.9 (MB/sec)	• 63.0/21.9 (MB/sec)	101.7/43.5 (MB/sec)	115.4/107 (MB/sec)	115.4/107 (MB/sec)	116.1/106.8 (MB/sec)	114.9/103.1 (MB/sec)	
Parformanco (2)									

114.1/42 (MB/sec)

116.4/112.3 (MB/sec)

iSCSI (IP SAN) and Virtualization Deployment

QNAP Business Series Turbo NAS servers are fully VMware and Citrix ready and Windows Server 2008 Hyper-V clusters compliant.

NAS + iSCSI Combo Solution:

The Turbo NAS can serve as a NAS for file sharing and iSCSI storage concurrently.

Flexible Management: The NAS supports multiple LUNs (Logical Unit Numbers) and iSCSI targets. The LUNs can be flexibly mapped to, unmapped from, and switched among



Secure Deployment: Designed with CHAP

authentication and LUN masking, the advanced ACL (Access Control List) offers you the capability to block unauthorized access from the initiators.

Designed for Virtualized and Clustered Environments:

Compared with the high cost Fibre Channel SAN, the Turbo NAS is an affordable system that can be deployed as a storage center for virtualized and clustered server environments, such as VMware and Microsoft Windows Failover Cluster.

SPC-3 Persistent Reservation Supported:

The built-in iSCSI service supports enterprise-level features such as SPC-3 persistent reservation for clustering in VMware and Windows 2008. You can set up Microsoft Failover Cluster environment and use Cluster Shared Volume for Hyper-V. This allows you to execute virtual machine live migration between Hyper-V hosts.

Advanced MPIO and MC/S Supported:

With the support of MPIO (Multipath Input Output) and MC/S (Multiple Connections per Session) on the Turbo NAS, you can connect to the QNAP iSCSI targets using two or more network interfaces from your server with failover and load balancing. Furthermore, you can achieve better data transmission performance with MC/S setting.



Virtual Disk Expansion

The unique "Virtual Disk Drive (VDD)" adds flexibility to expand the capacity of the NAS. The Turbo NAS can connect to other iSCSI targets on the network and turn them into virtual disks, which become multiple single volumes on the NAS. Up to 8 virtual disks can be



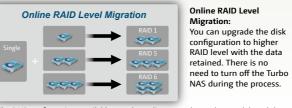
Advanced RAID Management with Hot-swap Design

The Turbo NAS offers advanced RAID 0, 1, 10, 5, 6, 10+hot spare*, 5+hot spare, 6+hot spare*, single, and JBOD disk configurations. It also supports hot-swap design that a failed drive can be replaced by hot swapping without turning off the server.

Online RAID Capacity Expansion:

The storage capacity of a RAID configuration can be expanded by replacing the hard drives with larger ones. All the data will be kept and seamlessly moved to the newly installed hard drives.





* The RAID configurations available vary depending on to the product models and the number of hard disk drives installed.

The Turbo NAS provides diversified server applications in the business environment.

Dual LAN Deployment

The Turbo NAS supports multiple bonding modes: Balance-rr (Round-Robin), Active Backup, Balance XOR, Broadcast, IEEE 802.3ad, Balance-tlb (Adaptive Transmit Load Balancing) and Balance-alb (Adaptive Load Balancing).



Failover allows the Turbo NAS server to sustain the failure of one network port to provide continuous services.



Load balancing allows bandwidth aggregation to boost the file transfer speed. It works with managed Ethernet switch with 802.3ad configured.



Multi-IP Settings:

The Turbo NAS can be deployed with two different IP settings for sharing among different workgroups in two different

You can allow, deny or auto block specified IP address or network domain which attempts to connect to Turbo NAS via SSH, Telnet, HTTP(S), FTP, Samba, or AFP.

Policy-based Unauthorized IP Blocking:

The NAS supports remote login by SSH (secure shell) or Telnet connection.

SSL Security (HTTPS):

The Turbo NAS supports HTTPS connection. You can upload a secure certificate and RSA private key in X.509PEM format issued by a trusted provider for the users to access the Turbo NAS by secure SSL login.

Secure Measures for Data Storage and Access

The NAS offers secure data transfer with SSL/TLS (explicit) encryption. Passive FTP port range setup is also supported.

Share Folder Management:

You can select to hide or show the network shared folders of the NAS on Windows network.

User Authority Management:

You can create user ID and password, and define the authority and quota for

Abundant Business Features

Printer Server: The NAS offers cross-platform printer sharing over the network and remote printing over Internet (max. 3 USB printers). It supports IPP (Internet Printing Protocol), print job management

and Bonjour printing for Mac OS X.

FTP Server:

You can establish your own FTP server by the Turbo NAS and share the files conveniently with your colleagues or customers.

Encrypted Remote Replication:

The data on the Turbo NAS can be backed up to or from other Turbo NAS or Rsync servers over the network.

File Server:

The Turbo NAS allows file sharing across Windows, Mac, Linux, and UNIX platforms. It also supports WebDAV for you to access the shared folders via HTTP/HTTPS protocol remotely.



You can host multiple websites on the Turbo NAS with the built-in web server and virtual host feature.

You can connect to the IP cameras via the

Turbo NAS and set up a video surveillance

system with comprehensive monitoring,

recording, and playback features.

Backup Server:

Surveillance Station:

The Turbo NAS offers you the most complete backup solution with Apple Time Machine support, remote

replication to an Rsync server, Windows client backup software NetBak Replicator, third party backup software support, cloud storage backup, and so on.



he Turbo NAS supports IPv6 (Internet Protocol Version 6) which makes your NAS a dual-stack IP host running IPv4 and IPv6 at the same time.

About QNAP

QNAP Systems, Inc. is a privately held company founded in 2004 and is dedicated to bringing world class NAS storage, professional NVR video surveillance, and network video players to consumer, small/medium business, and entry level enterprise market segments. QNAP leverages not only hardware design but also a growing core competency in software engineering that is precisely focused on bringing to market products that offer the highest available performance coupled with outstanding reliability, scalability, and ease of installation and use. QNAP is a multi-national company with headquarters in Taipei,

CNAP



Customer Service

Online Support: http://www.gnap.com MSN: q.support@hotmail.com Skype: qnapskype Forum: http://forum.qnap.com

Facebook: http://www.facebook.com/QNAPSys Twitter: http://twitter.com/QNAP nas

Updates & Download http://www.qnap.com/download.asp

Product Information

http://www.gnap.com Dealer Seal

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Designs and specifications are subject to change without notice. P/N: 51000-023037-RS

Software Specification

Operating System Embedded Linux

Supported Operating System

- Microsoft Windows 2000, XP, Vista (32/64-bit), Windows 7 (32/64-bit)
- Server 2003/2008
- Apple Mac OS X · Linux & UNIX

Supported Web Browsers

- Internet Explorer 7 & 8 or later Firefox 3 or later
- Safari 3 & 4 or later
- Google Chrome

Multilingual Support

 Chinese (Traditional & Simplified), Czech, Danish, Dutch, English, Finnish, Instant Alert via E-mail, SMS, and LCD French, German, Italian, Japanese, Korean, Norwegian, Polish, Russian, Spanish, Swedish, Turkish

 Internal HDD: EXT3, EXT4 External HDD: EXT3, EXT4, NTFS, FΔT32 HFS+

and SNMP

TCP/IP (IPv4 & IPv6: Dual Stack)

- Dual Gigabit NICs with Jumbo Frame · Multi-IP Settings, Port Trunking/NIC Teaming (Modes: Balance-rr, Active iSCSI (IP SAN) Backup, Balance XOR, Broadcast, IEEE 802.3ad/Link Aggregation, Balancetlb and Balance-alb)
- DHCP Client, DHCP Server Protocols: CIFS/SMB, AFP (3.1), NFS.
- FTP, HTTP, HTTPS, Telnet, SSH, iSCSI
- Network Service Discovery (UPnP.
- Virtual LAN Support
- Supports 802.11n USB Wi-Fi adapter

Network File Sharing

- CIFS/SMB (Plus DFS Support)
- WebDAV

Backup Solution

- Real-time Remote Replication (RTRR) ■ Work as Both RTRR Server & Client
- Supports Real-time & Scheduled Backup Supports Encryption, Compression,
- and File Filter) USB One Touch Backup (Import/Export) (5
- Apple Time Machine Support with
- Backup Management
- · Block-level Remote Replication: ■ Work as Both Rsync Server & Client

- Supports Encrypted Replication between ONAP NAS Servers
- · Back up to External Storage Device • Back up to Cloud Storage (Amazon S3 & ElephantDrive)

- · IP Filter & Policy-based Automatic IP
- Network Access Protection with Auto-
- · Encrypted Access: HTTPS, FTP with SSL/TLS (Explicit), SSH/SFTP (admin
- (Rsync over SSH)
- AES 256-bit Volume-based Encryption (2)
- Disk Management
- · Single Disk, JBOD, RAID 0, 1, 10, 5, 6, 10+Hot Spare, 5+Hot Spare, 6+ Hot
- Online RAID Level Migration · Bad Block Scan & HDD S.M.A.R.T.
- · RAID Recovery

· UPnP Media Server

- iSCSI Target
- Up to 256 LUNs
- Supports LUN Mapping & Masking
- Supports MPIO & MC/S
- Virtual Disk Drive (via iSCSI Initiator)

- Supports VMware vSphere (ESX/ESXi 4.x)
 - Supports Windows Server 2008 Hyper-V

- Scheduled Power on/off (Max. 15 Settings) Automatic Power on after Power Recovery
- Batch Creating Users
- User Quota Management
- Subfolder Permissions Support

- Supports NTLMv2 Authentication

Web Administration

- AJAX-based User Interface HTTP/HTTPS Connections · Alert Notification (Email & SMS)
- Smart Fan Control DDNS & MvCloudNAS Remote Access

· Comprehensive Logs (Events & Connection)

· Firmware Update with Live Update

· Backup and Restore System Settings

- SNMP (v2 & v3) UPS Support with SNMP Management
- only). Encrypted Remote Replication Supports Network UPS Resource Monitor
- · CIFS Host Access Control for Shared Network Recycle Bin for CIFS/SMB and
- Importable SSL Certificate
- · Online RAID Capacity Expansion &

- Bitmap Support · Supports ISO Mounting (via Web File
- Apache Web Server

- Multi-LUNs per Target
- Supports SPC-3 Persistent Reservation
- Stack Chaining Master
- Max. No. of Virtual Disk Drives: 8

Server Virtualization & Clustering

- Supports Citrix XenServer (5.6)
 - & Failover Clustering

Power Management

- Wake on LAN ⁽⁴⁾
- **Access Right Management** User Accounts Management
- Groups Management Network Shares Management
- Import/Export Users

Windows AD Support

- · Domain Users Login via CIFS/SMB, AFP, FTP and Web File Manager
- OpenLDAP ■ eveOS Media Server
- PS3 Media Server ■ IceStation
- Optware IPKG
- Pvthon ■ Java Runtime Environment
- Mono ■ iStat
- · ...and more

· Restore to Factory Default

Applications Web File Manager · Multimedia Station

Real-time Online User List

Syslog Client

Notification

- Download Station
- Surveillance Station iTunes Server

MySQL Server

- Mobile App · QMobile for iPhone, iPad, iPod touch,
- Android devices · Third Party UPnP Media Player

- Web Applications ■ loomla!
 - phpMyAdmin ■ WordPress AiaXplorer
 - vtigerCRM ■ GLPI
 - Magento P2P Applications
 - SABnzbd+
 - NZBGet Transmission Server Applications

■ MLDonkey (eMule)

■ SqueezeBox Server ■ Tomcat Asterisk

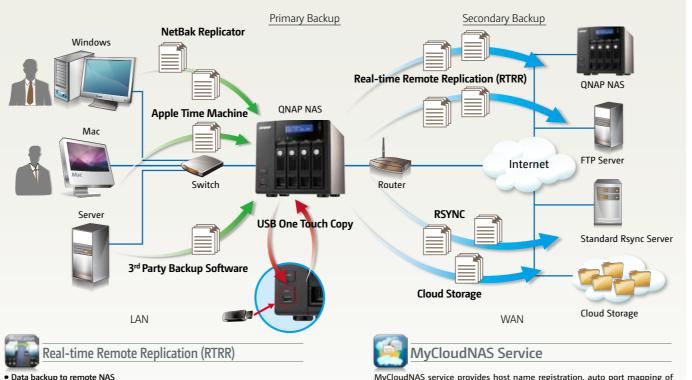
(1) Exclude TS-41911+ TS-41211 and TS-41011

- XDove (Mail Server)
- (2) The data encryption functions may not available in accordance to the legislative restrictions of some countries. (3) The RAID configurations available vary according to the product models and the number of hard disk drives installed (5) Exclude TS-85911-RP+ and TS-80911-RP

Introducing Turbo NAS Firmware V3.4

Complete Backup Solution

The QNAP Turbo NAS offers complete backup solution to safeguard your data and simplify disaster recovery. The powerful Real-time Remote Replication (RTRR) and offsite backup to ElephantDrive cloud storage are introduced with the new Turbo NAS firmware V3.4.



UPnP router on your local network, and NAS services publishing on the Internet.

Register a unique name for your NAS in just a few clicks without complicated

Specify the ports to be opened on your UPnP router automatically by the NAS for

Select the web-based NAS services (Multimedia Station, Web File Manager, and

B: MyCloudNAS portal website:

You can use MvCloudNAS wizard to finish the settings:

Host name registration

Auto router configuration

remote access to the NAS services.

Publish and share NAS services conveniently

so on) to be published on MyCloudNAS.com.

DDNS registration.

locations. With real-time synchronization, any file changes on the NAS will be instantly copied to the destination. Advanced options such as backup logs, filters, policies, and email alert are available.

 Data backup to FTP servers The RTRR feature also allows data backup from the NAS server to one or multiple FTP servers instantly or scheduled, with encrypted SSL/TLS supported.

Data Backup to Cloud Storage: ElephantDrive

The Turbo NAS provides offsite data backup, real-time or scheduled, to

The Turbo NAS offers Real-time Remote Replication (RTRR) for instant and

scheduled data backup to one or multiple QNAP NAS servers in remote

ElephantDrive cloud storage to protect your data from any event and allow disaster recovery at anytime. With ElephantDrive you can monitor your cloud storage through a web browser, also versioning control so that you can choose a point of time you wish to restore your NAS. An extra set of all of your data will always be available, so you can remotely recover your data from anywhere with

The host-based permission control of the Turbo NAS prevents unauthorized hosts (computers, servers...) to access to the NAS folders via Microsoft Networking. You can specify the allowed access by host

Virtual LAN Support*

infrastructure and configure the NAS as the storage system for other *Except: TS-419U+, TS-412U and TS-410U



Connect the Turbo NAS to the wireless network through a USB Wi-Fi dongle for convenient access. The NAS is compatible with fast 802.11n



and turn them into virtual disks to expand its storage capacity. The NAS now supports more file system formats including EXT3, EXT4, FAT32, NTFS, and HFS+ for mounting and formatting virtual disks.

Advanced Folder Permissions

Advanced folder permissions allow you to configure access control to folders and subfolders of QNAP NAS. With this feature enabled, you can manage folder permissions from Microsoft Windows or the web-based management interface of the NAS without complicated procedure.

QNAP offers a free multimedia application QMobile to allow users of iPhone, iPad, iPod touch and Android devices to carry all the multimedia files on the NAS in



More Features Available in Firmware 3.4

Host-based Permission Control

name, IP address or network.



Virtual LAN (VLAN) is an advanced network feature of the the Turbo NAS. You can integrate the NAS into an existing VLAN on a virtualization VLAN devices. By enabling VLAN on the NAS, only the devices with the same VLAN ID can access the NAS.



and 802.11g dongles for Wi-Fi connection (max. one).



Enhanced Virtual Disk

The Turbo NAS can connect to multiple iSCSI targets on the network



QMobile for iPhone and Android Devices

their pocket. You can stream videos, view and upload digital pictures, play music that are stored on the NAS over the network and share your music playlists with other iPhone or Android phones users.



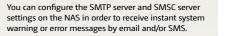
System Management Tools

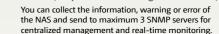
The Turbo NAS offers lots of features which help you manage the system



Instant SMS and Email Alert

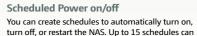
SNMP (Simple Network Management Protocol)







*Except: TS-412U and TS-410U





S.M.A.R.T. & Advanced HDD Health Scanning (HHS) S.M.A.R.T. (Self-Monitoring Analysis and Reporting Technology) helps you monitor the hard disks status. Moreover, the Turbo NAS supports HHS (HDD Health Scan) for disk checking and bad blocks scanning.

DOM Architecture and Fail-safe Dual OS

Two operating systems are built on the DOM of the Turbo NAS for system booting alternatively upon every system startup. When one fails, the other one will be used to boot up the NAS, and the failed OS is recoverable from the other healthy

Comprehensive Event Logs

Except: TS-419U+, TS-412U, andTS-410U



iSCSI, FTP, AFP, HTTP, HTTPS, Telnet, and SSH, and networking services accessed by online users can all be recorded.

Available QPKG Software Plugins





TurboNAS

Superior Performance NAS with iSCSI for Business

- 2, 4, 5, 6, 8-bay, hot-swappable
- · Leading iSCSI storage for server clustering and virtualized environments
- · Built-in iSCSI initiator for stackable capacity expansion
- · All-in-one powerful business-class server features · Dual Gigabit LAN: Failover, load balancing and multiple IP settings
- Single disk, JBOD, RAID 0, 1, 10, 5, 6, 10+ hot spare, 5+ hot spare, 6+ hot spare
- · Online RAID capacity expansion
- · Online RAID level migration AES 256-bit volume-based data encryption
- · Complete backup solution including cloud-based and Apple Time Machine backup
- Touch-N-Go PC-less installation









Business Series Models

• TS-x59 Pro II: Dual-core Intel® Atom™ processor D525 1.8 GHz, 1GB RAM, SATA 6Gb/s, USB3.0 TS-x59 Pro+: Dual-core Intel® Atom™ processor D525 1.8 GHz, 1GB RAM

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• TS-x39 Pro II+: Single-core Intel® Atom™ processor D425 1.8 GHz, 1GB RAN