QNAP

TurboNAS
TS-x79 Series

IP-SAN, iSCSI, NAS Storage for High-end SMB

- VMware® Ready, Citrix® Ready, and Microsoft® Hyper-V compatible
- High performance, secure, reliable, and simple
- 10 GbE ready reaching over 1,000 MB/s and 100,000 IOPS
- Multi-core processor, DDR3, SATA 6Gb/s, and USB 3.0

Full lineup:

TS-EC1279U-RP/ TS-1279U-RP

TS-EC879U-RP/ TS-879U-RP

TS-1079 Pro

TS-879 Pro

CITRIX ready · vmware READY · Windows Server 2008 R2 Hyper-V · intel CORE i3 inside · intel Xeon inside

As the data value and volume of business data continue to rise, corporations need high-performance storage solutions which are secure, reliable, and easy to manage. The QNAP TS-x79 series, which serves as both IP-SAN (iSCSI) and NAS, can be easily utilized in different business and enterprise applications such as backup center, disaster recovery, file sharing, virtualization, and video editing storage.

Secure

Data might seem insecure being open in a network, but the QNAP Turbo NAS offers a variety of security options such as encrypted access, IP filtering, policy-based automatic IP blocking, and more. In addition, full control of the NAS is offered down to the user and folder access rights to determine who can access and what can or cannot be accessed. The QNAP Turbo NAS is packed with security features to stop all unauthorized data access. The AES-256 volume-based encryption prevents sensitive data from unauthorized access and data-breach even if the hard drives or the device were stolen.

Reliable

The QNAP Turbo NAS is reliable with built-in safety precautions to safeguard all data from any unforeseen problems. With multiple built-in features to guarantee no interruptions to the work flow of a business, the QNAP Turbo NAS is an efficient asset. The advanced RAID configurations and hot-swap capabilities are included to give better RAID performance, protection and reduced rebuilding time. Moreover, the dual OS embedded on the DOM architecture ensures the system will boot up. If one of the two operating systems fails, the healthy operating system will boot up and operate normally while repairing the failed operating system. The dual Gigabit LAN ports can also be configured for failover which allows the NAS server to sustain the failure of one network port and still provide continuous services.

Simple

Setting up local or remote access with a QNAP Turbo NAS is painless and does not require any IT skills. All setup processes have been simplified so that most of the process is either automatic or can be completed by an installation wizard guiding the whole procedure. Creating a user-friendly NAS is what QNAP strives for. No previous experience with a NAS is required to reap the full benefits of a NAS as storage and backup. The user-friendly web GUI allows users to easily control the NAS through icons and clearly-marked tabs so there is no need for an extensive knowledge of complex commands. Simple management tools such as instant SMS/Email alert, the hard drive S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) feature, and system resource monitor are provided to keep users up-to-date on their NAS at all times.

High Performance

The QNAP TS-x79 series delivers the most flexible, high-performing and scalable storage solution in the industry. Expandable to 4 ports and with an optional 10 GbE card to ensure the throughput, the QNAP TS-x79 series significantly accelerates data transmission. Furthermore, the powerful Intel processor delivers the necessary power for multiple users access and guarantees data access with low latency.

Private Cloud Storage

Cloud computing is revolutionizing IT applications and the way data is stored. Today's IT technology allows users to access data and applications across the Internet without the need to know where the server/storage devices are located. By using QNAP cloud computing technology, private cloud storage can be easily built up for data access, sharing, and backup anywhere, anytime via the Internet.

Primary Applications

- Centralized storage and file sharing
- Backup center in businesses
- Disaster recovery solution
- Server virtualization
- Video editing storage
- IP-SAN storage
- Private cloud storage

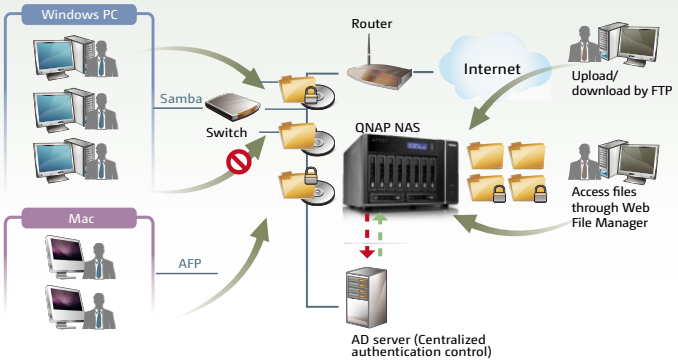
Centralized Storage and File Sharing

Cross-platform Sharing:
The QNAP NAS supports SMB/CIFS, NFS, and AFP protocols for file sharing across Windows, Mac, Linux/UNIX networks. User accounts and shared folders can be created via the user-friendly web-based interface without IT expertise .

Windows Active Directory (AD):
The Windows AD feature enables the system administrator to retrieve user accounts from the Windows AD server to the NAS to reduce time and effort in account setup. Users can use the same login name and password to access the NAS.

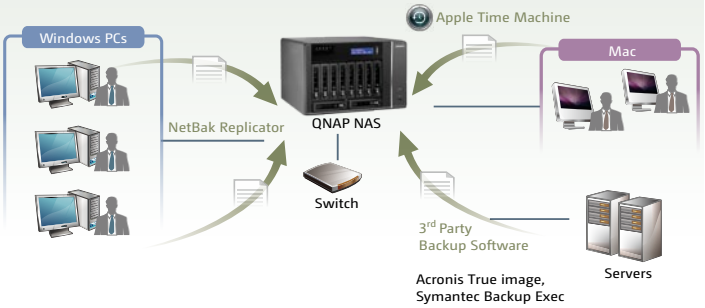
Shared Folder Aggregation:
Conveniently connect to shared folders of other servers on Microsoft Networking though the "portal folder" on the Turbo NAS. This reduces the hassle of logging in to different servers one by one.

ISO File Archiving and Sharing:
The QNAP NAS supports mounting ISO images of CD and DVD discs as network shares for data archiving, storage, and sharing. This feature saves space for storing the physical discs, reduces the risk of data loss caused by long term use of discs, and enhances the performance of data sharing on a business network.



Backup Center in Businesses

The QNAP Turbo NAS is a complete backup solution that offers high performance storage to meet the needs of small or medium-sized businesses looking to simplify and centralize data management while safeguarding their data from unauthorized users. With powerful applications such as the NetBak Replicator, information can be automatically transferred from Windows PC to the NAS instantly or scheduled. The QNAP Turbo NAS is even an ideal storage for the Apple Time Machine. Many IT companies may already use third party software, and an array of backup software such as Acronis True image and Symantec Backup Exec is supported.

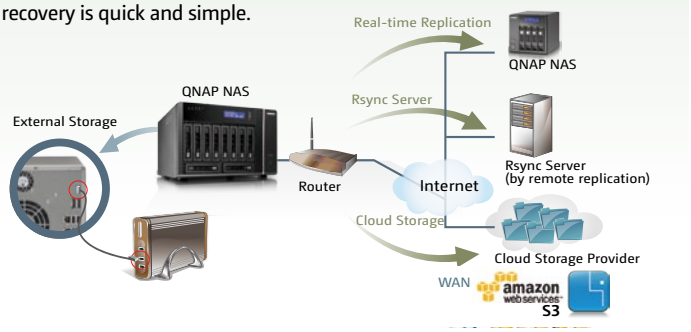


Disaster Recovery Solution

QNAP offers users peace of mind, business continuity, and high availability of data by providing the ability to recover their data from disasters with the QNAP Turbo NAS.

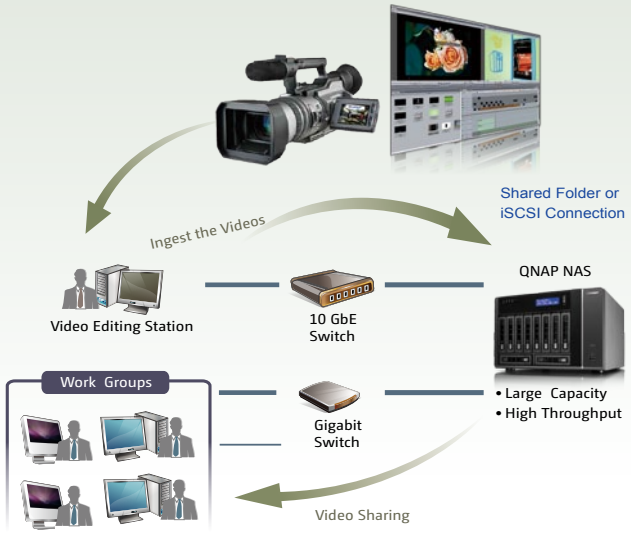
Real-time Remote Replication:
Real-time Remote Replication (RTRR) provides real-time or scheduled data replication between the local NAS and a remote NAS, an FTP server, or an external drive. With RTRR all newly added and modified files will be synchronized to a remote server or an external storage device automatically. Scheduled backup is supported to provide periodic replication from the NAS to a remote server or vice versa.

Cloud Storage Backup:
QNAP is ready to send private data to the clouds! The QNAP Turbo NAS supports Amazon S3 and ElephantDrive cloud backup storage which have several backup modes including real-time, scheduled backup and versioning control so that the data can be restored from any point of time. With ElephantDrive cloud storage can be monitored through a web browser. . An extra set of all of the data stored will always be available, so remote data recovery is quick and simple.



Video Editing

Digital film and video production produces volumes of data that require high performance RAID storage with sustainable throughput to balance with the demanding output of video editing. The QNAP Turbo NAS fulfills storage and video editing needs with a high-speed 10 GbE network interface. Digital videos can be quickly stored and edited on the NAS directly over the network. The QNAP Turbo NAS supports various network file sharing protocols such as NFS, AFP, and SMB/CIFS, so sharing files among PCs with different operating systems is easy. The scalable design of the NAS allows for the capacity to be expanded on the fly so the NAS can grow as the business data does.

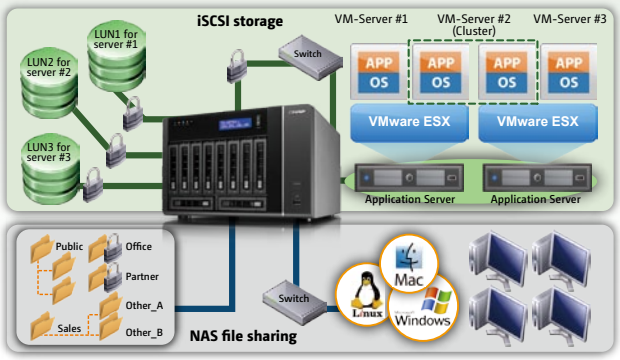


iSCSI and Virtualization Deployment

The 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. LUNs can be flexibly mapped to, unmapped from, and switched among different iSCSI targets.



Secure Deployment:
Designed with CHAP authentication and LUN masking, the advanced ACL (Access Control List) offers the capability to block unauthorized access from the initiators.

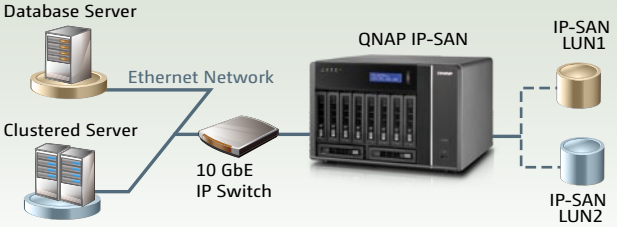
Designed for Virtualized and Clustered Environments:
Compared with a high cost Fibre Channel SAN, the Turbo NAS is an affordable system that can be deployed as a storage center for virtualized and clustered server environments, such as VMware and Microsoft Windows Failover Cluster.

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. Users can set up Microsoft Failover Cluster environment, use Cluster Shared Volume for Hyper-V, and 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, users can connect to the QNAP iSCSI targets using 2 or more network interfaces from their server with failover and load balancing. Furthermore, with MC/S settings better data transmission performance is achieved.

IP-SAN Storage

The built-in iSCSI feature of the Turbo NAS provides an affordable IP-SAN (Storage Area Network) alternative for business. The QNAP IP-SAN is an excellent solution for IOPS (Input/Output Operations Per Second) intensive missions such as database service and OLTP (On-Line Transaction Processing). With the 10 GbE ready card, it offers a high speed 10 GbE network to eliminate I/O bottlenecks and boost the total throughput and IOPS. Compared with Fibre Channel SAN, the total investment is significantly lower, when including Fibre Channel SAN necessary components such as FC-SAN switch, Fiber Channel HBA (Host Bus Adapter) and FC-SAN storage.



Secure Measures for Data Storage and Access

Policy-based Unauthorized IP Blocking:
Users can allow, deny or auto block specified IP addresses or network domains which attempt to connect to the Turbo NAS via SSH, Telnet, HTTP(S), FTP, Samba, or AFP.

Remote Login:
The Turbo NAS supports remote login by SSH (secure shell) or Telnet connection.

SSL Security (HTTPS):
The Turbo NAS supports HTTPS connection. Users can upload a secure certificate and RSA private key in X.509PEM format issued by a trusted provider to allow access the Turbo NAS by secure SSL login.

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

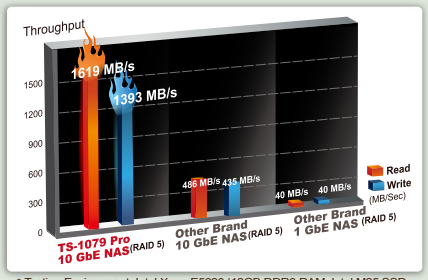
Encrypted Remote Replication by Rsync:
The data on the Turbo NAS can be backed up to or from another Turbo NAS or Rsync server over the network securely.

Shared Folder Management:
Users can select to hide or show the network shared folders of the Turbo NAS on Windows network.

User Authority Management:
Users can create user ID and password, and define the authority and quota for each user.

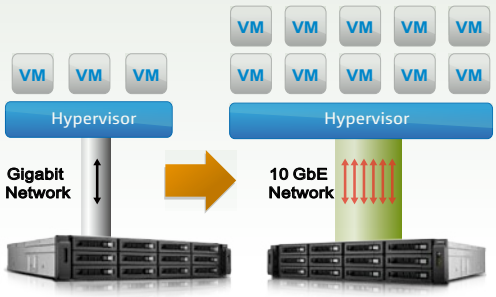
10 Gigabit Ethernet Network Ready

The QNAP Turbo NAS has an optional 10 GbE network card which can be added to fulfill the most demanding applications requiring high bandwidth. 10 GbE has the highest data transfer rate; it is ten times faster than standard GbE.



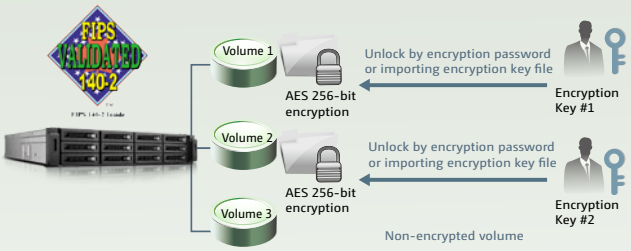
* Testing Environment: Intel Xeon E5620 / 12GB DDR3 RAM, Intel M25 SSD, Windows 7 Enterprise 64 Bits, Intel X520-SR2 Server Adapter.

Powerful Storage Solution for the Virtualized Data Center:
Application and processing requirements constantly evolve heightening the need for higher performance storage. Especially with virtualization of IT resources the need for high performance storage is essential. The QNAP Turbo NAS offers class-leading hardware matched with unparalleled 10 Gb speed for all the virtualization needs. The 10 Gb speed will increase the agility of data transmission in a virtualized environment intensifying NFS and iSCSI connection performance.



Secure Encryption and Sharing

FIPS 140-2 Certified AES 256-bit Volume-based Data Encryption:
The disk volume with FIPS 140-2 certified AES 256-bit encryption can only be accessed by an authorized encryption password or key. This prevents sensitive government or businesses data on the Turbo NAS from unauthorized access and breach, even if the hard disk drives or the entire system were stolen.

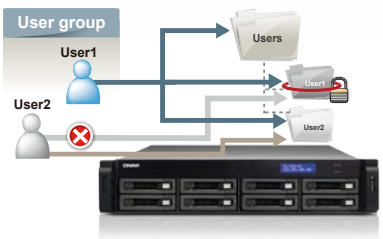


* The data encryption functions may not be available in accordance to the legislative restrictions of some countries. Please contact QNAP sales representatives for further information.

Advanced Folder Permissions:
Advanced folder permissions allow users to configure folder/subfolder access to the Turbo NAS. With this feature enabled, users can manage the folder permissions from Microsoft Windows or the web-based management interface of the NAS without complicated procedures.

Advantages

- Private subfolder management within a public shared folder
- Ownership protection on root shared folders
- Clean folder structure for group sharing and IT management
- Special permissions to dedicated user to perform data backup



Abundant Business Features

The Turbo NAS supports a multiuse of server business applications.

File Server:
The Turbo NAS allows file sharing cross Windows, Mac, Linux, and UNIX platforms. It also supports WebDAV for easy access to shared folders via HTTP/HTTPS protocol remotely.

FTP Server:
Business users can establish an FTP server by the Turbo NAS and share the files conveniently with colleagues or customers.

Backup Server:
The Turbo NAS offers 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, and more.

Web Server:
Multiple websites can be hosted on the Turbo NAS with the built-in web server and virtual host feature.

Print Server:
The Turbo NAS offers cross-platform printer sharing over the network and remote printing over the Internet (max. 3 USB printers). IPP (Internet Printing Protocol), print job management, and Bonjour printing for Mac OS X are also supported.

Surveillance Station:
Users can connect to IP cameras via the Turbo NAS and set up a video surveillance system with comprehensive monitoring, recording, and playback features.

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

Advanced RAID Management with Hot-swap Design

RAID is an advanced feature that the QNAP Turbo NAS offers to enhance data protection and performance. The QNAP Turbo NAS has a scalable design in addition to supporting various levels of disk configurations such as RAID 0, 1, 5, 5+hot spare, 6, 6+hot spare, 10, 10+hotspare, single disk, and JBOD.

Global Hot Spare:
The Global Hot Spare function allows users to share a spare drive with multiple RAID volumes on the Turbo NAS. When a hard drive fails in any RAID group the global hot-spare drive will automatically replace the failed drive to prevent data from being lost. Compared with a local spare drive, the global spare function offers more efficient use of spare drives.

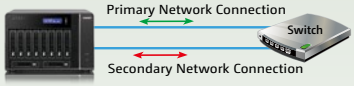
Scalable Design*:
The QNAP Turbo NAS has a scalable design that grows with the data-hungry business.

* The expansion solutions will be available by end of Q4, 2011

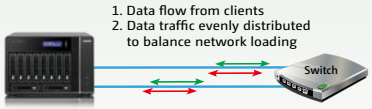
Multiple LAN Deployment

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:
The LAN ports of the Turbo NAS can be configured in failover mode which allows the NAS to sustain the failure of one network port and provide continuous services.



Load Balancing:
The LAN ports of the Turbo NAS can be configured in load balancing mode for bandwidth aggregation to boost file transfer speeds. (It works with managed Ethernet switch with 802.3ad configured.)



Multi-IP Settings:
The Turbo NAS can be deployed with multiple different IP settings for sharing among different workgroups in two different subnets.

Support access of multiple IP from different LAN areas

System Management Tools

The Turbo NAS offers lots of features to help users manage the system efficiently.

Instant SMS and Email Alert:
Configure the SMTP server and SMSC server settings on the Turbo NAS in order to receive instant system warning or error messages by email and/or SMS.

SNMP (Simple Network Management Protocol):
Collect information, warning, or errors of the Turbo NAS and send the warnings to up to 3 SNMP servers for centralized management and real-time monitoring.

Wake on LAN:
Enable this option to power on the Turbo NAS remotely by Wake on LAN. Wake on LAN helps users manage their NAS conveniently.

Scheduled Power on/off:
Create schedules to automatically turn on, turn off, or restart the Turbo NAS. Up to 15 schedules can be set.

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

Superior Performance for IP-SAN, Virtualization, and Business Storage

	TS-EC1279U-RP	TS-EC879U-RP	TS-1279U-RP	TS-879U-RP	TS-1079 Pro	TS-879 Pro
CPU	Quad-core Intel® Xeon® Processor E3-1225 (3.1 GHz)		Dual-core Intel® Core™ i3-2120 Processor (3.3 GHz)		Dual-core Intel® Core™ i3-2120 Processor (3.3 GHz)	
RAM	4 GB DDR3 ECC RAM (Expaudable RAM, up to 8 GB)		2 GB DDR3 RAM (Expaudable RAM, up to4 GB)		2 GB DDR3 RAM	
USB	USB 3.0: 2 rear USB 2.0: 4				USB 3.0: 1 front 1 rear USB 2.0: 4	
eSATA	2					
Internal Hard Disks *	12 x 3.5" hard drive or 2.5" hard drive or SSD	8 x 3.5" hard drive or 2.5" hard drive or SSD	12 x 3.5" hard drive or 2.5" hard drive or SSD	8 x 3.5" hard drive or 2.5" hard drive or SSD	10 x 3.5" hard drive or 2.5" hard drive or SSD	8 x 3.5" hard drive or 2.5" hard drive or SSD
Maximum Raw Capacity	36TB	24TB	36TB	24TB	30TB	24TB
Hard Drive Interface	SATA 6Gb/s (backward compatible with SATA 3Gb/s)					
Network Interface	4 x Gb LAN (default) Expandable for additional 10 Gb LAN ports **		2 x Gb LAN (default) Expandable for additional dual Gb LAN or 10 Gb LAN ports			
Expansion Slots	2 (for network and storage expansion)				1 (for network or storage expansion)	
Form Factor	2U, Rackmount				Tower	
Dimensions	88(H) x 439(W) x 520(D) mm 3.46(H) x 17.28(W) x 20.47(D) inch				217.5(H) x 327(W) x 321.2(D) mm 8.56(H) x 12.8(W) x 12.65(D) inch	
Weight	15.88 kg/35.0 lb (Net) 22.92 kg/50.53 lb (Gross)	12.52 kg/27.61 lb (Net) 20.76 kg/45.78 lb (Gross)	15.88 kg/35.0 lb (Net) 22.92 kg/50.53 lb (Gross)	12.52 kg/27.61 lb (Net) 20.76 kg/45.78 lb (Gross)	9.84 kg/21.67 lb (Net) 15.43 kg/33.98 lb (Gross)	8.39 kg/18.48 lb (Net) 13.98 kg/30.79 lb (Gross)
Power	600W redundant power supply	300W redundant power supply	600W redundant power supply	300W redundant power supply	350W power supply	
Fan	Smart fan: 3 (6cm, 12V DC)				Smart fan: 2 (12cm, 12V DC)	
LCD Screen	No	Yes	No	Yes	Yes	
Power Consumption	167W (In operation) 68W (Sleep mode)	132W (In operation) 68W (Sleep mode)	165W (In operation) 68W (Sleep mode)	130W (In operation) 68W (Sleep mode)	121W (In operation) 40W (Sleep mode)	101W (In operation) 39W (Sleep mode)

* Note: The standard system is shipped without hard drives.

** Note: The original Gb network card must be replaced by the 10Gb LAN card for network expansion.

N82575-G2

Accessory (optional purchase)
Dual-port 1 GbE network expansion card

Comprehensive Event Logs

Detailed logs of file-level access to the Turbo NAS via Samba, iSCSI, FTP, AFP, HTTP, HTTPS, Telnet, and SSH, and networking services accessed by online users can all be recorded.

Available QPKG Software Plugins

Maximize the usage of the Turbo NAS by installing additional QPKG software plugins developed by users and communities worldwide.

Software Specification

Operating System
QSM3.4 (QNAP Storage Manager 3.4)

Protocols
CIFS/SMB, AFP (3.2), NFS (v3), FTP, HTTP, HTTPS, Telnet, SSH, iSCSI, SNMP, SMTP, SMSC

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

File System
- Internal: EXT3, EXT4
- External: EXT3, EXT4, NTFS, FAT32, HFS+

Networking
- TCP/IP IPv4 & IPv6 Dual Stack
- Dual Gigabit Ethernet with Jumbo Frame
- Optional Dual-port 10 GbE and 1 GbE Network Expansion Card
- Port Trunking/NIC Teaming (Modes: Balance-rr, Active Backup, Balance XOR, Broadcast, IEEE 802.3ad/Link Aggregation, Balance-tlb, and Balance-alb)
- Virtual LAN (VLAN)
- Load Balancing, Failover, Multi-IP Settings
- DHCP Client, DHCP Server
- UPnP & Bonjour Discovery

Security
- AES 256-bit Volume-based Data Encryption *
- IP Filter
- Network Access Protection with Auto-blocking
- HTTPS Connection
- FTP with SSL/TLS (Explicit)
- SFTP Connection
- Encrypted Remote Replication (Rsync over SSH)
- Importable SSL Certificate
- Email and SMS Alerts

Disk Management
- Single Disk, JBOD, RAID 0, 1, 5, 6, 10, 5+Hot Spare, 6+Hot Spare, 10+Hot Spare, Global Hot Spare **
- Online RAID Capacity Expansion
- Online RAID Level Migration
- HDD S.M.A.R.T.
- Bad Block Scan
- RAID Recovery
- Bitmap
- ISO Mounting: Max 256 (via Web File Manager)

iSCSI
- iSCSI Target
  - Multi-LUNs per Target
  - Up to 256 LUNs
  - LUN Mapping & LUN Masking
  - SPC-3 Persistent Reservation
  - MPIO & MC/S
  - Online LUN Expansion
- Virtual Disk Drive (via iSCSI Initiator)
  - Stack Chaining Master
  - Virtual Disk Drives: Max 8

Server Virtualization & Clustering
- VMware vSphere (ESX/ESXi 4.x)
- Citrix XenServer
- Windows Server 2008 Hyper-V
- Windows Server 2008 Failover Clustering

Power Management
- Wake on LAN
- Scheduled Power on/off (Max 15 Settings)
- Automatic Power on after Power Recovery
- Network UPS with SNMP Management
- Internal Hard Drive Standby Mode

Access Right Management
- User Accounts Management
- User Groups Management
- Groups Management
- Network Shares Management
- Batch User Creation
- Import/Export User List
- User Quota Management
- Supports Active Directory Authentication
  - Domain Users Login via CIFS/SMB, AFP, FTP, and Web File Manager
  - NTLMv2 Authentication

Administration
- AJAX-based User Interface
- HTTP/HTTPS Connections
- Email & SMS Alerts
- Smart Fan Control
- Dynamic DNS (DDNS)
- SNMP Traps (v2 & v3)
- UPS Support with SNMP & USB
- Resource Monitor
- Network Recycle Bin for File Deletion via CIFS/ SMB and AFP
- Comprehensive Logs (Event & Connection)
- Real-time Online User List
- Syslog Client
- Firmware Live Update
- System Settings Backup and Restore
- Restore to Factory Default
- LCD Quick Installation (Touch-N-Go) ***

Multilingual Support
- Chinese (Traditional & Simplified), Czech, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Russian, Spanish, Swedish, Turkish

Browser Support
- Internet Explorer 7 & 8 or Later
- Firefox 3 or Later
- Safari 3 & 4 or Later
- Google Chrome

File Server
- Protocols: CIFS/SMB (Plus DFS Support), AFP, NFS, FTP/FTPS, HTTP/HTTPS (Web File Manager), WebDAV
- Platforms: Windows, Mac OS, Linux/UNIX
- Web File Manager:
  - File Management by Web Browser
  - Smart File & Folder Search

FTP Server
- FTP over SSL/TLS (Explicit)
- Concurrent Connections: Max 256
- Passive FTP Port Range Control
- FTP Bandwidth & Connection Control
- Supports FXP & Unicode

Backup Server
- Real-time Remote Replication (RTRR)
  - Work as Both RTRR Server & Client
  - Supports Real-time & Scheduled Backup
  - Supports Encryption, Compression, and File Filter
- Apple Time Machine Support with Backup Management
- QNAP NetBak Replicator Backup Software (Windows Client)
- Backup to Cloud Storage (Amazon S3 & ElephantDrive)
- Backup to External Storage Devices
- USB One Touch Backup (Import/Export) ****
- Block-level Remote Replication:
  - Work as Both Rsync Server & Client
  - Encrypted Replication to/from QNAP NAS Servers
- Third Party Backup Software Support: Acronis True Image, CA BrightStor, ARCserve Backup, EMC Retrospect, Symantec Backup Exec, LaCie SilverKeeper...and more

Cloud Computing
- MyCloudNAS Service
- Private Cloud Storage
- Free Host Name Registration
- Auto Router Configuration

Print Server
- Network Printer Sharing (LAN or WAN)
- Printers: Max 3 (USB)

Web Server
- HTTP/HTTPS Connections
- Built-in MySQL Server
- Web-based Management via phpMyAdmin (QPKG)
- Virtual Hosts: Max 32

Surveillance Station
- Supports IP Cameras: Max 4 (Optional Purchase)
- Network Surveillance: Remote Monitoring, Video Recording, and Playback

QPKG
- **Web Applications**
  - Joomla!
  - phpMyAdmin
  - WordPress
  - AjaXplorer
  - vtigerCRM
  - eyeOS
  - Magento
  - GLPI
- **Server Applications**
  - Tomcat
  - Mono
  - Asterisk
  - XDove (Mail Server)
  - OpenLDAP
- **Others**
  - Optware IPKG
  - Python
  - Java Runtime Environment
  - iStat
- ...and more

* The data encryption functions may not be available in accordance to the legislative restrictions of some countries.
** The RAID configurations available vary according to the product models and the number of hard disk drives installed.
*** The Touch-N-Go function is not available for the TS-1279U-RP and the TS-EC1279U-RP.
**** The USB one touch backup function is available for the TS-879 Pro and the TS-1079 Pro.

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