Turbo NAS for Business
Scalable IP-SAN, iSCSI and NAS Storage

Secure, Reliable, Scalable and Simple

VMware® Ready, Citrix® Ready, and Microsoft® Hyper-V compatible
Scale-up storage over 400TB
10 GbE ready reaching over 1,900 MB/s and 210,000 IOPS
Multi-core processor, DDR3, SAS/SATA 6Gb/s, and USB 3.0
New Intelligent Storage Solutions

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

### Secure
The QNAP Turbo NAS offers various security options such as encrypted access, IP filtering, policy-based automatic IP blocking, and more. Full control of the NAS is offered down to the user and folder access rights. AES-256 volume-based encryption is also offered to prevent unauthorized access and data breach even if the hard drives or the NAS were stolen.

### Reliable
The Turbo NAS is reliable with built-in features to guarantee no interruptions to the workflow of a business. The advanced RAID configurations and hot-swap capabilities are included to give better RAID performance, protection and reduced rebuilding time. The QNAP SMART data migration detects a possible drive failure and migrate data to a healthy spare drive. The dual OS embedded on the DOM architecture ensures the system will boot up when one of the operating systems is down. The dual Gigabit LAN ports can also be configured for failover which allows the NAS to sustain the failure of one network port and provide continuous services.

### Scalable
As your business grows, so will your data. QNAP’s scale-up solution provides over 400 TB raw capacity by cascading the QNAP RAID expansion enclosures and the Turbo NAS. The 24Gbps high speed SAS connections ensure excellent data throughput between the NAS and the enclosures.

### Simple
Setting up a QNAP Turbo NAS is painless and does not require any IT skills. The QTS 4.0’s intelligent desktop offers an intuitive graphic user interface, simplifying the whole Turbo NAS management.

Centralized Storage and File Sharing

### Cross-platform Sharing
The Turbo NAS supports SMB/CIFS, NFS, and AFP protocols for file sharing across Windows, Mac, Linux/UNIX networks. The integrated antivirus solution ensures business continuity by offering detection against the latest viruses, malware, worms, and Trojan horses.

### Windows Active Directory (AD) and LDAP Directory Service
The Windows AD and LDAP (Lightweight Directory Access Protocol) directory service features enable the system administrator to retrieve the user accounts from Windows AD or Linux LDAP server to the Turbo NAS, reducing the time and effort in account setup. Users can use the same login name and password to access the NAS.

### Centralized Log Monitoring
QNAP Syslog server allows the IT administrator to effectively collect and store the logs of other network devices on the Turbo NAS for efficient management and security auditing in businesses.

### ISO File Archiving and Sharing
The Turbo NAS supports mounting ISO images of CD and DVD discs as network shares for efficient data archiving, storage, and sharing on a business network.

### Windows ACL
The Windows ACL (access control list) feature offers sophisticated shared folder permission settings for businesses. Basic permissions and 13 advanced permissions can be set up from the Windows Explorer and synchronized with the permission settings of the Turbo NAS. In addition, the same permissions apply to AFP, FTP, Web File Manager, and Samba when Advanced Folder Permissions are enabled at the same time.
Backup Center in Businesses

The QNAP Business Series Turbo NAS is a complete backup solution that offers high performance storage, simplified and secure data management. With powerful applications such as the QNAP NetBak Replicator, data can be automatically transferred from Windows PC to the Turbo NAS instantly or scheduled. The 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 Business Series Turbo NAS.

Real-time Remote Replication

Real-time Remote Replication (RTRR) provides real-time or scheduled data replication between the local Turbo NAS and a remote Turbo 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 Turbo NAS to a remote server or vice versa.

iSCSI LUN Backup and Restore

The Business Series Turbo NAS has taken iSCSI LUN backup/restore to a whole new level with snapshot technology. The IT administrator can use the LUN snapshot to back up contents in the LUN to various storage destinations, including Windows shared folders via SMB/CIFS, Linux shared folders via NFS, or local shared folders on the Turbo NAS.

Cloud Storage Backup:

QNAP is ready to send private data to the clouds! The Turbo NAS supports Amazon S3, ElephantDrive, and Symform cloud backup storage with several backup modes including real-time, scheduled backup and versioning control so that the data can be restored from any point of time. 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 Business Series 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 Turbo NAS directly over the network. The 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 Turbo NAS allows for the capacity to be expanded on the fly so the Turbo NAS can grow as the business data does.

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.
Storage for Virtualization

The QNAP Business Series Turbo NAS is a virtualization-aware storage solution which supports VMware vSphere, Microsoft Hyper-V, and Citrix XenServer. QNAP vSphere plug-in and QNAP SMI-S provider highly increase the productivity and efficiency.

Datstore for VMware

- VAAI for iSCSI, VAAI for NAS

VMware vStorage APIs Integration (VAAI) is a set of APIs that allow ESXi hosts to offload processing for certain storage-related services to storage systems. The integration of QNAP NAS with VMware VAAI offers the optimal performance for customers to deploy a virtualization environment.

The QNAP NAS, VAAI iSCSI and VAAI NAS are VMware certified. Businesses can either select iSCSI or NFS as a centralized storage to boost performance. VAAI for iSCSI supports Full Copy (hardware-assisted copy), Block Zeroing (hardware-assisted zeroing), Hardware-assisted Locking, and Thin Provisioning with Space Reclaim. VAAI for NAS supports Full File Clone, Extended Statistics, and Reserve Space.

The QNAP NAS uniquely supports VAAI iSCSI and VAAI NAS to enhance storage performance up to 75% in a virtualized environment.

- Enhanced Performance by VAAI

- ODX(Offloaded Data Transfer)

With Offloaded Data Transfer (ODX) support, the QNAP Turbo NAS becomes a high performance iSCSI storage solution under Windows Server 2012, including Hyper-V virtualized environment. QNAP storages enable full copies of virtual machines within the NAS without requiring the Windows hosts to read and write the data. This highly reduces the loading of Windows hosts and improves the performance of copy and move operations for Windows 2012 hosts using the QNAP iSCSI storage. When providing QNAP storage to a Windows 2012 file server, the end user using Windows 8 client workstation will also benefit from the Offloaded copy process for large file transfers.

Storage for Microsoft Hyper-V

- ODX(Offloaded Data Transfer)

With Offloaded Data Transfer (ODX) support, the QNAP Turbo NAS becomes a high performance iSCSI storage solution under Windows Server 2012, including Hyper-V virtualized environment. QNAP storages enable full copies of virtual machines within the NAS without requiring the Windows hosts to read and write the data. This highly reduces the loading of Windows hosts and improves the performance of copy and move operations for Windows 2012 hosts using the QNAP iSCSI storage. When providing QNAP storage to a Windows 2012 file server, the end user using Windows 8 client workstation will also benefit from the Offloaded copy process for large file transfers.

10 Gigabit Ethernet Storage Solution for the Virtualized Data Center

The QNAP Business Series Turbo NAS supports optional 10GbE adaptor, including SFP+ and 10G Base-T interface. The 10 Gb speed increases the agility of data transmission in a virtualized environment, intensifying NFS and iSCSI connection performance, and enables more VMs with multiple transactions running concurrently without performance penalty.
Scale-up Solutions

The Business Series Turbo NAS has a scalable design that grows with the data-hungry businesses. Volumes are expandable via the QNAP RAID expansion enclosures, REXP-1200U-RP and REXP-1600U-RP. Multiple RAID expansion enclosures can be cascaded to provide over 400 TB raw capacity.

Plug and Use, Seamless Capacity Expansion

With the plug-and-use design, the RAID expansion enclosure delivers a fast way to easily scale up storage capacity of the Turbo NAS. Simply connect a RAID expansion enclosure to a Turbo NAS and power it on, the Turbo NAS will detect the hard drives in the enclosure as newly installed local drives. With the Storage Manager in the QTS 4.0 intelligent operating system, the IT administrators can online expand an existing volume on the NAS without service interruption. Multiple RAID expansion enclosures can also be cascaded to provide massive capacity. The status and health of the enclosures can be monitored via the web-based management interface of the Turbo NAS.

High Density, High Efficiency and High Scalability

Two RAID expansion enclosure models are available. The REXP-1200U-RP supports 12 SAS/SATA 6Gbps hard drives and SSD in 2U rack space, providing up to 36TB raw capacity. The REXP-1600U-RP supports 16 hard drives and 48TB raw capacity in 3U rack space. These RAID expansion enclosure units provide two SAS wide ports (IN port and OUT port) for host connectivity and daisy chain respectively. Each SAS wide port combines four SAS channels, with each supporting 6Gbps full duplex speed. The maximum bandwidth per host connection is 24Gbps, which delivers unprecedented performance when daisy-chaining multiple RAID expansion enclosures.

QNAP Flexible Volume

QNAP Flexible Volume provides a more secure and flexible way to store and manage the NAS data. This next generation volume offers powerful features such as storage pooling with multiple RAID, thin-provisioned volume with space reclamation, and online capacity expansion.

Secured Storage Pool for over 100-disk Deployment

To ensure the safety of valuable business data, QNAP Flexible Volume provides a secured way to deploy a large volume. The logical volume is allocated from a Storage Pool, which is composed of multiple RAID Groups to gain higher redundancy and reduce the risk of data crash from bad hard drives since the data is dispersed throughout multiple RAID arrays.

Block-based iSCSI LUN

In addition to storing data, the QNAP Flexible Volume can be utilized as an iSCSI LUN at the same time. The block-based iSCSI LUN provides less overhead which improves the over read/write performance. The block-based iSCSI LUN takes advantages of Flexible Volume such as thin-provisioning LUN with space reclamation and online capacity expansion.

Online Capacity Expansion

Increase the capacity size of the LUNs, volumes, and storage pools on the fly. The Turbo NAS allows you to add more hard drives to increase the storage capacity of the storage pool on demand. The LUN and volumes can also be expanded online without interrupting the services.

Thin-provisioned Volume

Pre-allocate storage to give the appearance of having more capacity than actually available. This allows you to consume storage on demand as data is written to disk, instead of having capacity ahead of time.

Space Reclamation

Space reclamation complements thin provisioning so storage can be freed and used for other NAS applications. Normally when data is deleted in a Space, the storage capacity cannot be transferred back to the overall storage pool. But with space reclamation, space can be reclaimed and released back to the overall storage pool. This provides a much more efficient space usage.

Alert for Volume/LUN Threshold

An alert can be created once a LUN or volume reaches a particular threshold size with email and SMS notifications. This prevents the storage or volume from running out of space and the administrator can provision a new storage or expand an existing volume before a critical out of space.
SSD Caching Acceleration

Accelerates the IOPS performance by 10 times and reduces I/O latency by 3 times for the storage volumes. This feature is perfect for IOPS demanding applications such as virtualization to significantly improve overall work flow.

10 Gigabit Ethernet Network Ready

The 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.

Abundant Business Features

Web Server

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

VPN Server

The VPN (Virtual Private Network) service allows users to access the NAS and other resources on the same local network from the Internet. QNAP VPN Server supports both OpenVPN and PPTP.

Print Server

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

Surveillance Station

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

RADIUS Server

The RADIUS server centralizes and consolidates user authentication by maintaining a list of user accounts that are authorized for remote network access through dial-up equipment, Wi-Fi access point, or VPN connections.

Proxy Server

With the help of the Squid App add-on, the QNAP Turbo NAS can be used as a Proxy Server.
QNAP SMART Data Migration
The data stored on the Turbo NAS is constantly monitored to reduce potential data loss and rebuilding time. If the Turbo NAS detects a possible drive failure or abnormal health status, the data will be proactively migrated to a new spare drive. This ensures valuable business assets are well stored and protected.

Proactive Data Protection
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.

Secure Measures for Data Storage and Access

Secure Encryption and Sharing
FIPS 140-2 Validated AES 256-bit Volume-based Data Encryption
The disk volume with FIPS 140-2 validated AES 256-bit encryption can only be accessed by an authorized encryption password or key. This prevents sensitive 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 Turbo NAS without complicated procedures.

Antivirus
The integrated antivirus solution for the Turbo NAS ensures business continuity by offering detection against the latest viruses, malware, worms, and Trojan horses with continuous free virus database updates.
### Superior Performance for IP-SAN, Virtualization and Business Storage

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- The standard system is shipped without hard drives. All specifications are subject to change without notice.
|**Superior Performance for IP-SAN, Virtualization and Business Storage** |

### Specifications

- **CPU:**
  - Quad Core Intel® Xeon® E3-1225 v2 Processor 3.2 GHz

- **RAM:**
  - 4GB DDR3 ECC RAM

- **USB:**
  - 3.0 Type A, 2 USB 2.0 A, 4

- **eSATA:**
  - No

- **Number of Internal Hard Drives:**
  - 24 x 2.5-inch hard drive or SSD
  - 18 x 2.5-inch hard drive or SSD
  - 12 x 2.5-inch hard drive or SSD
  - 16 x 3.5-inch hard drive or 2.5-inch hard drive or SSD
  - 12 x 3.5-inch hard drive or 2.5-inch hard drive or SSD

- **Maximum Raw Capacity:**
  - 24TB
  - 18TB
  - 12TB
  - 64TB
  - 48TB

- **Hard Drive Interface:**
  - SAS/SATA 6Gb/s (backward compatible with SAS/SATA 3Gb/s)

- **RAID Expansion:**
  - No

- **RAID Building:**
  - 4 (Max. 8)

- **10/100/1000 Mbps LAN Port:**
  - Yes (optional)

- **LAN Port:**
  - 4 (Max. 8)

- **Hard Drive Interface:**
  - 10Gbps LAN Port

- **Power Consumption:**
  - In operation: 360W
  - Sleep mode: 130W

- **Fan:**
  - Smart fan: 3 (6cm, 12V DC)

- **Form Factor:**
  - 2U Rackmount

- **Dimensions:**
  - 130 (H) x 442.4 (W) x 528.3 (D) mm

- **Weight:**
  - 24.9 kg/54.89 lb (Gross)

- **Accessories:**
  - LAN-1G2T-D: Dual-port 1 GbE network expansion card for tower model, desktop bracket
  - LAN-1G2T-U: Dual-port 1 GbE network expansion card for all Above series rack mount model, rack expansion bracket
  - LAN-10G2T-U: Dual-port 10GbE-T network expansion card for all Above series rack mount model, desktop bracket
  - SAS-66E-U: Dual-port 6GbE-T network expansion card for all Above series rack mount model, rack expansion bracket
  - SAS-66E-U: Dual-port 6GbE-T network expansion card for all Above series rack mount model, desktop bracket
  - Rail Kit: A01 series (chassis) rail kit, max. load 35kg
  - CAB-SAS05M-8088: MiniSAS external cable (SFF-8088 to SFF-8088), 0.5m

*The standard system is shipped without hard drives. All specifications are subject to change without notice.*

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**Accessories**

<table>
<thead>
<tr>
<th>Category</th>
<th>Order P/N</th>
<th>Product Description</th>
<th>Applied Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN Card</td>
<td>LAN-1G2T-D</td>
<td>Dual-port 1 GbE network expansion card for tower model, desktop bracket</td>
<td>TS-879 Pro, TS-1079 Pro</td>
</tr>
<tr>
<td></td>
<td>LAN-10G2T-U</td>
<td>Dual-port 10GbE-T network expansion card for tower model, desktop bracket</td>
<td>TS-879 Pro, TS-1079 Pro</td>
</tr>
<tr>
<td></td>
<td>SAS-66E-D</td>
<td>Dual-port 6GbE-T network expansion card, 60Gbps, for tower model, desktop bracket</td>
<td>TS-879 Pro, TS-1079 Pro</td>
</tr>
<tr>
<td></td>
<td>Rail-A01-35</td>
<td>B01 series (chassis) rail kit</td>
<td>TS-870U-RP, TS-1270U-RP</td>
</tr>
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<td></td>
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<td>B01 series (chassis) rail kit</td>
<td>TS-870U-RP, TS-1270U-RP</td>
</tr>
</tbody>
</table>

All specifications are subject to change without notice.
Operating System
Embedded Linux

Supported Clients
• Apple Mac OS X
• Linux & UNIX

Supported Browsers
• Microsoft Internet Explorer 10
• Mozilla Firefox®
• Apple Safari® 4+
• Google Chrome

Multilingual Support
• Chinese (Traditional & Simplified), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish

File System
• Internal Hard Drive: EXT3, EXT4
• External Hard Drive: EXT3, EXT4, NTFS, FAT32, HFS+

Networking
• TCPIP IPv4 & IPv6: Dual Stack
• Dual Gigabit NICs with Jumbo Frame* - Failover
• Multi-IP Setting
• Port Trunking/NGT Trunking (Modem: Balance-RR, Active Backup, Balance XOR, Broadcast, IEEE 802.3ad/Link Aggregation, Balance-TLB and Balance-ALB)
• Optional Dual-port 10 GbE and 1 GbE Network Expansion Cards*
• Service Binding Based on Network Interfaces*
• Proxy Client, Proxy Server
• DHCP Client, DHCP Server
• Protocols:CIFS/SMB, AFP (v3.3), NFS (v3), FTP, FTPS, SFTP, HTTP(S), HTTPS, Telnet, Telnet, SSH, SSL, SFTP, SNMP, SMTP, and SAMBA
• UPnP & Bonjour Discovery
• USB Wi-Fi Adapter Support

Security
• IP Filter & Policy-based Automatic IP Blocking
• Network Access Protection with Auto-binding: SSH, Telnet, HTTPS(FP), FTP, CIFS/ SMB, AFP
• Encrypted Access: HTTPS, FTP with SSL/TLS (Explicit), SSH/FTP (admin only), Encrypted Remote Replication (Rsync over SSH)
• CIFS Host Access Control for Shared Folders
• Antivirus Protection
• FIPS 140-2 Validated AES 256-bit Volume-based Data Encryption**
• AES 256-bit External Encryption Encryption*
• Importable SSL Certificate
• Instant Alert via E-mail, SMS, Beep, and LCD Panel*

Disk Management
• QNAP Flexible Volume with thin-provisioning and space reclamtion supported
• Supports Storage Pool
• Online Volume Expansion
• Online Storage Pool Expansion
• Online RAID Capacity Expansion and Online RAID Level Migration
• SMART Data Migration
• Bad Block Scan and Hard Drive S.M.A.R.T.
• Bad Block Recovery
• RAID Recovery
• Bittmap Support

Power Management
• Wake on LAN*
• Internal Hard Drive Standby Mode
• Scheduled Power on/off
• Automatic Power on after Power Recovery
• USB and Network UPS Support with SNMP Management

Access Right Management
• Batch User Creation
• Import/Export Users
• User Quota Management
• Local User Access Control for CIFS, AFP, FTP, and WebDAV
• Subfolder Permissions Support for CIFS/ SMB, AFP, FTP and Web Folder Manager

Domain Authentication Integration
• Microsoft Active Directory (AD)
• LDAP Server
• LDAP Client
• Domain Users Login via CIFS/SMB, AFP, FTP, and File Station

Web Administration
• Multi-window, multi-tasking based System Management
• Moveable Icons and Personalized Desktop
• Smart Toolbar and Dashboard for Net Display on System Status
• Smart Fan Control
• Dynamic DNS (DDNS)
• SNMP (v2 & v3)
• Resource Monitor
• Network Recycle Bin for File Deletion via CIFS/SMB and AFP
• User Quota Management
• File Type Filter
• Comprehensive Logs (Events & Connection)
• Syslog Client
• Firmware Live Update
• System Settings Backup and Restore
• Restore to Factory Default
• Mobile App O Manager for Remote Monitoring

File Server
• File Sharing across Windows, Mac, and Linux/UNIX
• Protocols:CIFS/SMB, AFP, NFS, FTP/FTP(S), HTTP/HTTPS(T) (Web File Manager), WebDAV
• Windows ACL
• Advanced Folder Permission for CIFS/SMB, AFP, FTP
• Shared Folder Aggregation (CIFS/SMB)

File Station
• Supports ISO Mounting (Up to 256 ISO files)
• Creates and Sends Download Links for Sharing Public Files with Expiration Time and Password Protection
• Drag-n-drop Files via Chrome and Firefox Browsers
• Photo, Music, and Video Preview and Playback Empowered by Built-in transcoding Technology
• File Compression (ZIP or 7z)
• Advanced Search
• Mobile App: QFile for File Browsing and Management

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

Backup Station
• Remote Replication Service (over Rsync)
• Real-time Remote Replication (RTRR) to another QNAP NAS or FTP Server
• Works as Both RTRR Server & Client with Bandwidth Control
• Real-time & Scheduled Backup
• Encryption, Compression, File Filter, and Transfer Rate Limitation
• Encrypted Replication between QNAP NAS Servers
• Desktop Backup by QNAP NetBak Replicator for Windows
• Apple Time Machine Support with Backup Management
• Data Backup to Multiple External Storage Devices
• Synchronizes with Cloud Storage: Amazon S3, ElephantDrive, Synfire, Dropbox, and Google Drive

Server Virtualization & Clustering
• VMware vsphere (ESX/ESXi 4.x, 5.x)
• VMware VAAI for ISCSI and VAAI for NFS
• vsphere Plug-in
• Citrix XenServer 6.0
• Windows Server 2012 Hyper-V
• Supports Microsoft ODX
• QNAP SMI-S Provider for Microsoft SCVMM
• Windows Server 2012 Failover Clustering

Storage Plug & Connect via Windows Qfinder by QNAP
• Create and Map Shared Folders
• Create and Connect to ISCSI Target/LUN

myQNAPcloud Service
• Private Cloud Storage and Sharing
• Free Host Name Registration (DNS)
• Auto Router Configuration (via UPnP)
• CloudLink for Remote Access without Complicated Router Setup
• myQNAPCloud Connect for Easy VPN Connection (Windows VPN Utility)

Qsynch
• Syncs Files among Multiple Devices through the NAS
• Option for Not Removing Files on the NAS during Synchronization
• Selective Synchronization
• Shares Securely with SSL
• Team Folder
• Shares Files by Links via E-mail
• Uploads Photos or Videos to QNAP Folder Automatically via QFile
• Restores Files from Network Recycle Bin
• File Name Conflict Policy
• Option for Filter Settings

Privilege Control for Qsynch Users
• Supports Windows & Mac OS

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

Database Server
• Built-in MySQL Server
• Web-based Management via phpMyAdmin

Print Server
• Max No. of Printers: 3
• Supports Internet Printing Protocol
• Print Job Display and Management
• IP-based and Domain Name-based Privilege Control
• Supports Apple Bonjour Printing

Syslog Server
• Centralized Log Monitoring and Archiving
• Immediate Email Alerts
• Supports Log Filtering

RADIUS Server
• Centralized Account Management and Authorization for Network Access
• Supports 802.1x Security Authentication
• TFTP Server with PXE Booting (Read-only)

VPN Server
• Secure Remote Access: PPTP & OpenVPN
• Remote Access to Other Resources on Local Network
• Max No. of Clients: 30

Surveillance Station Pro
• Supports over 1,000 IP Cameras
• Includes 1 Free Camera License
• Up to 16 Camera Channels via Additional License Purchase*
• Intelligent Video Analytics (IVA) for Advanced Video Search
• Visual Aid by E-map
• Surveillance Client for Mac
• Mobile App: VMobile (iOS and Android)

Antivirus
• Protection against Viruses, Trojans, and Other Threats
• Free Virus Databases Update on Manual or Scheduled basis
• Multiple Scan Tasks (Max: 64, Concurrent: 5) with Custom Folder Selection and Scheduled Scanning
• Email Notification upon Task Completion or Virus Detection
• Quarantines or Deletes Infected Files

APP Center
• Add New Features by Online Installation of over 900 Official and Community Software Add-ons
• The actual available software add-ons may vary depending on the NAS platform*

* This feature may vary according to different models.
** The data encryption functions may not be available in accordance with the legislative restrictions of some countries.

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