ComX Computers
Product Specification Sheet

TS-569PRO

QNAP TS-569PRO 5-Bay Turbo NAS

Product Overview

QNAP TS-569PRO Turbo NAS - 5-Bay, Serial-ATA 3Gbps, ATOM D525 1.8G Dual Core, 1GB RAM, 2x Gigabit LAN Port, Firmware 3.6











Specifications

Overview:

The QNAP TS-569 Pro is a 5-bay, all-in-one NAS server with exceptional performance that can meet the storage requirements of modern SMB IT environments. Features include, secure cross-platform file sharing for Windows, Mac, and Linux/UNIX users, an iSCSI/ IP-SAN storage combo solution and a number of versatile, value-added business applications. With a well-rounded set of backup solutions integrated in the QNAP TS-569 Pro, critical business information can be safely protected against unexpected data loss. The QNAP TS-569 Pro is also an ideal shared storage solution for virtualized and clustered environments, via VMware Ready and Citrix Ready certification, and a proven compatibility with Microsoft Hyper-V environments. The intuitive MyCloudNAS service simplifies the process of publishing content residing on the Turbo NAS over the Internet and helps users create a private cloud in just a few simple steps. The mobile app QMobile provides iOS or Android mobile device users with a convenient way to access the Turbo NAS live, on the go.

Features:

Centralized Storage and File Sharing

Cross-platform Sharing with Antivirus
The Turbo 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. The integrated antivirus solution for the Turbo NAS 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 IT administrator to retrieve user accounts from Windows AD or LDAP-based directory server to the Turbo NAS, reducing time and effort in account setup. Users can use the same login name and password to access the Turbo NAS.

Shared Folder Aggregation
Access the shared folders of other servers on Microsoft Networking through the "portal folder" on the Turbo NAS. This saves the time and effort in logging in multiple servers one by one.

ISO File Archiving and Sharing
The Turbo NAS supports mounting ISO images of CD and DVD discs as network shares for data archiving, storage, and sharing. This feature saves the space for storing the physical discs, reduces the risk of data loss caused by disc wearing and tearing, and enhances the efficiency of data sharing on business network.

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 easily.

Secure Measures for Data Storage and Access

- Policy-based Unauthorized IP Blocking - The IT administrator can allow, deny or auto block specified IP address or network domain 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 via SSH (secure shell) or Telnet connection.
- SSL Security (HTTPS) - The Turbo NAS supports HTTPS connection. The IT administrator can upload a secure certificate and RSA private key in X.509PEM format issued by a trusted provider to allow access to the Turbo NAS via 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 - The IT administrator can select to hide or show selected shared folders of the Turbo NAS on Windows network.
- User Authority Management - Create multiple users and specify their password, quota, and user groups by simply uploading the batch files in TXT or Excel CSV format to the NAS.
- VPN Server - Build up a private network with QNAP VPN Server support and allow inbound access by Windows, Mac, Linux, and even iOS and Android devices. The connections are secured with up to 256-bit encryption.

Backup Center for Business

Well-rounded Backup Solutions
The Turbo NAS offers the IT administrator flexible server backup solutions, including encrypted remote replication, Real-time Remote Replication (RTRR), and cloud-based storage backup. Windows users and Mac users can use QNAP NetBak Replicator utility and Time Machine respectively to back up data to the Turbo NAS. Furthermore, the Turbo NAS supports third party backup software such as Veeam Backup & Replication and Acronis True Image.

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

Real-time Remote Replication
Real-time Remote Replication (RTRR) provides real-time or scheduled data replication between the Turbo NAS and a remote QNAP NAS, an FTP server, or an external drive.

iSCSI LUN Snapshot/Backup
Server virtualization reduces IT expenditure yet provides flexible server management. Adopting a proper data protection and disaster recovery for virtual machines has become vastly important. The 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
Get ready to send private data to the clouds! The Turbo NAS supports Amazon S3, ElephantDrive and Symform cloud storage backup 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.

Backup to external drive via USB3.0
The IT administrator can connect external storage devices to the Turbo NAS via the eSATA or USB ports and back up data in the NAS shared folders to the external devices. Three backup modes are provided: instant, scheduled and automatic backup.

iSCSI and Virtualization Deployment
The Turbo NAS is VMware Ready, Citrix Ready, and Windows Hyper-V compliant.

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

Flexible Management
The Turbo 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 Server 2008. The IT administrator 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 iSCSI targets on the Turbo NAS using two or more network interfaces from their server with failover and load balancing. Furthermore, with MC/S settings better data transmission performance is achieved.

Feature-rich All-in-one Business Applications

The Turbo NAS supports a multiuse of server business applications.

- File Server - The Turbo NAS provides seamless 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 - The IT administrator can establish an FTP server with the Turbo NAS and share files conveniently with colleagues or customers.
- Backup Center - The Turbo NAS offers a centralized backup center for Mac users using Time Machine and Windows users using QNAP QBack utility.
- Web Server - The IT administrator can host multiple websites on the Turbo NAS with the built-in web server and virtual host feature.
- 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.
- Syslog Server - By collecting and storing the logs of other network devices on the Turbo NAS with the Syslog server feature, the IT administrator can easily monitor the status of these devices and troubleshoot problems when necessary.
- Printer Server - The Turbo NAS offers printer sharing over the network and remote printing over the Internet via IPP (Internet Printing Protocol). Print job management, and Bonjour printing for Mac OS X are also supported.
- 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.
- Surveillance Station - The IT administrator can use the Turbo NAS to manage the connected IP cameras and set up a video surveillance system with comprehensive monitoring, recording, and playback features.
- 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 with a very intuitive UI. MyCloudNAS service and Auto Router Configuration are integrated with QNAP VPN Server. With just a few clicks, users can access all services provided by the Turbo NAS remotely and securely.
- LDAP Server - For business with needs for a directory service, QNAP LDAP Service provides a cost effective alternative from Windows ADS.Turn the Turbo NAS into a LDAP server and centralize the user privilege management.
- Software Expansion via QPKG Center - Maximize the usage of the Turbo NAS by installing additional QPKG software add-ons developed by users in QNAP's worldwide community.
- Proxy Server - With the help of Squid QPKG, the QNAP Turbo can be used as a Proxy Server. Internet cache speeds up web browsing; web filtering and monitoring enhances business Internet security.

Private Cloud Storage

The Turbo NAS helps users reap all the benefits of cloud computing. A personal cloud for home usage or a private cloud for business use can be built easily. This cloud provides flexible ways for data access, sharing, and backup, virtually anytime, anywhere.

MyCloudNAS Service
The MyCloudNAS service simplifies the process of publishing contents in the Turbo NAS over the Internet. It provides a web-based portal for file management and access, and supports backing up important data from the Turbo NAS to other cloud storage providers such as Amazon S3, ElephantDrive, and Symform.

MyCloudNAS Access Code
While exposing the Turbo NAS to the Internet could raise security concerns, the MyCloudNas Access Code provides privacy control to make selected services only visible to authorized users.

Email Invitation
The MyCloudNAS provide an easy way to send out an email invitation to friends. The invitation contains step-by-step instructions on accessing the Turbo NAS. It also provides a link to download the Windows application MyCloudNAS Connect that allows people even without proficient networking skills to easily set up and connect to the Turbo NAS.

QMobile App for On-the-go Contents Access
QMobile is an application designed for iOS and Android mobile devices. Terabytes of photos, music and videos stored on the Turbo NAS are ready to be streamed by QMobile from anywhere regardless of the actual storage size of the mobile devices. QMobile also provides a convenient way for uploading photos on the mobile devices to the Turbo NAS for instant sharing.

Advanced Features

FIPS 140-2 Verified 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 the 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.

Advanced RAID Management with Hot-swap Design
The Turbo NAS offers RAID 0, 1, 5, 10, 5 hot spare, 6, single, and JBOD disk configurations. It also supports hot-swap design so that a failed member drive of a RAID configuration (RAID 1 or above only) can be replaced by hot swapping without turning off the server.

Global Hot Spare
The Global Hot Spare feature allows the administrator to share spare drives with multiple RAID volumes on the Turbo NAS. When a hard drive fails in any RAID volume, 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 Hot Spare function offers more efficient use of spare drives.

Online RAID Capacity Expansion
The storage capacity of a RAID configuration can be expanded by replacing larger hard drives. All the data will be kept and seamlessly moved to the newly installed hard drives without turning off the server.

Online RAID Level Migration
Upgrade the disk configuration to a higher RAID level with the data retained without turning off the server.

IP-SAN/ iSCSI Storage and Virtual Disk Drives (VDD) for Storage Expansion
The Turbo NAS provides a cost-efficient iSCSI solution to set up an IP-SAN storage. With the built-in iSCSI initiator, the Turbo NAS can also connect to other iSCSI targets over the network and turn them into virtual disk drives (VDD).

iSCSI Storage Plug & Play
Now the Windows version of QNAP Finder provides a convenient way to expand desktop computer or server storage capacity by connecting to the Turbo NAS and mapping a network drive or a Virtual Disk.

User-friendly System Management
The Turbo NAS offers various features to help the administrator manage the system efficiently.

- Instant SMS, Email and Windows Live Messenger Alert - Configure the SMTP server, SMS server, and Windows Live Messenger account settings on the Turbo NAS in order to receive instant system warning or error messages via email, SMS and instant messages.
- SNMP (Simple Network Management Protocol) - Collect the information, warning, or errors of the Turbo NAS and send warnings up to 3 SNMP servers for centralized management and real-time monitoring.
- S.M.A.R.T. & Advanced Hard Drive Health Scan (HHS) - Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.) helps the IT administrator monitor hard disk status. Moreover, the Turbo NAS supports Hard Drive Health Scan (HHS) for disk checking and bad blocks scanning.

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 that allows the Turbo 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.

Virtual LAN
The IT administrator can integrate the Turbo NAS to an existing VLAN on a virtualization environment and configure the Turbo NAS as the storage system of other VLAN devices. By enabling VLAN on the Turbo NAS, only the devices with the same VLAN ID can access the Turbo NAS.

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

Exceptional Performance with Port Trunking Support
The Gigabit Ethernet interface and fast processor enable the Turbo NAS to deliver superior performance and high reliability for critical applications.

- FTP/SAMBA Testing Environment: Intel(R) Core(TM) i7-2600 CPU @ 3.40GHz/ DDR3 1600Hz 16GB, Microsoft Windows 7 Professional 64bit ZyXEL GS-2024
- FTP/SAMBA Testing Method: Connect the Turbo NAS and PC to switch, upload/download 5GB file without Jumbo Frame, FTP Tool: FileZilla

Eco-friendly & Energy-efficient
The Turbo NAS features green technologies to protect the environment and save electricity bill. The smart fan monitors the system temperature of the Turbo NAS and automatically adjusts its speed to ensure quiet operation and power saving. The hard drives can be set to enter standby mode after a period of idling to reduce power consumption and extend hard drive lifespan. Scheduled power on/off feature provides flexibility to only allow the Turbo NAS to operate in designated time and therefore minimize power usage.

Power Management
Wake on LAN - Enable this option to power on the Turbo NAS remotely by Wake on LAN.

- Hard Drive Standby - Configure the hard drives to enter standby mode if there is no drive access within the specified period.
- Scheduled Power on/off - The flexible scheduled power on/off feature is provided for IT administrators to manage the up time of the Turbo NAS according to the working hours. The administrator can set the time for automatic system power on, power off, or restart on any days of the week.
- UPS Support - The Turbo NAS supports USB UPS devices (usbhid-ups supported) to allow users to store the data in time and avoid critical data loss when power outage occurs during data transfer. Network UPS allows multiple Turbo NAS servers on the same physical network to be protected by a single UPS via receiving UPS notification on abnormal power supply.

Specifications:

Hardware Specs	
CPU	Intel Atom 2.13GHz Dual-core Processor
DRAM	1GB RAM (Expandable RAM, up to 3GB)
	NOTE:
	1. The system memory can be increased to 3GB by installing an additional 1GB/2GB SO-DIMM RAM module.
	2. For the information of RAM module installation and compatible NAS models, please refer to the QNAP RAM Module Installation Guide
Flash Memory	512MB DOM
Hard Disk Drive	5 x 3.5" SATA 6Gb/s, SATA 3Gb/s hard drive or 2.5" SATA, SSD hard drive
	NOTE:
	1. The system is shipped without HDD.
	2. For the HDD compatibility list, please visit http://www.qnap.com/en/index.php?sn=3877&lang=en
Hard Disk Tray	5 x Hot-swappable and lockable tray
LAN Port	2 x Gigabit RJ-45 Ethernet port
LED Indicators	Status, LAN, USB, eSATA, Power, HDD 1, HDD 2, HDD 3, HDD 4, HDD 5
USB	2x USB 3.0 port (Back: 2)
	5x USB 2.0 port (Front: 1; Back: 4)
	Support USB printer, pen drive, USB hub, and USB UPS etc.
eSATA	2 x eSATA port (Back)
Buttons	System: Power button, USB One-Touch-Backup Button, Reset button
LCD panel	Mono-LCD display with backlight
	Enter button, Select button for configuration
Alarm Buzzer	System warning
Form Factor	Tower
Dimensions	185 (H) x 210.6 (W) x 235.4 (D) mm
	7.28 (H) x 8.29 (W) x 9.27 (D) inch
Weight	Net weight: 5.1 kg (11.24 lbs)
	Gross weight: 6.5 kg (14.33 lbs)

Sound Level (dB)	w/o HDD installed: 34.3 dB
	Stand by: 34.3 dB
	In operation: 35.0 dB
	(with 5 x 500GB HDD installed)
Power Consumption (W)	Sleep mode: 29.1W
	In Operation: 48.5W
	Power-off (in WOL mode): 1W
	(with 500GB HDD installed)
Temperature	0-40?C
Humidity	0~95% R.H.
Power Supply	Input: 100-240V AC, 50/60Hz, Output: 250W
Secure Design	K-lock security slot for theft prevention
VGA	Reserved VGA interface for maintenance
Fan	1 x quiet cooling fan (12 cm, 12V DC)
Software Specs	
Operating System	Embedded Linux
Supported Clients	Windows XP, Vista, Windows 7 (32/64-bit), Windows Server 2003/2008 R2
	Apple Mac OS X
	Linux & UNIX
Supported Browsers	Microsoft Internet Explorer 8, 9
	Mozilla Firefox 8, 9, 10
	Apple Safari 4, 5
	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	TCP/IP (IPv4 & IPv6: Dual Stack)
	Dual Gigabit NICs with Jumbo Frame
	Failover
	Multi-IP Settings
	Port Trunking/NIC Teaming (Modes: Balance-rr, Active Backup, Balance XOR, Broadcast, IEEE 802.3ad/Link Aggregation, Balance-tlb and Balance-alb)
	Service Binding based on Network Interfaces
	Virtual LAN (VLAN)
	DHCP Client, DHCP Server
	Protocols: CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, and SMSC
	UPnP & Bonjour Discovery
	USB Wi-Fi Adapter Support
Backup Solution	Real-time Remote Replication (RTRR)
	Works as Both RTRR Server & Client with Bandwith Control
	Real-time & Scheduled Backup
	Encryption, Compression, File Filter, and Transfer Rate Limitation
	Block-level Remote Replication
	Works as Both Rsync Server & Client with Bandwidth Control
	Encrypted Replication between QNAP NAS Servers
	USB One Touch Backup (Import/Export)
	Desktop Backup by QNAP NetBak Replicator for Windows
	Apple Time Machine Support with Backup Management
	Data Backup to Multiple External Storage Devices
	Data Backup to Cloud Storage (Amazon S3, ElephantDrive, and Symform)
Security	IP Filter and Policy-based Automatic IP Blocking
	Network Access Protection with Auto-blocking: SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP
	Encrypted Access: HTTPS, FTP with SSL/TLS (Explicit), SSH/SFTP (admin only), Encrypted Remote Replication between QNAP NAS Servers (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 Drive Encryption*
	Importable SSL Certificate
	Instant Alert via E-mail, SMS, Instant Messaging (Windows Live), Beep, and LCD Panel

Disk Management	Single Disk, JBOD, RAID 0, 1, 5, 5 Hot Spare, 6, 6 Hot Spare, 10, 10 Hot Spare
	Online RAID Capacity Expansion & Online RAID Level Migration
	Bad Block Scan & Hard Drive S.M.A.R.T.
	Global Hot Spare Drive (4-bay NAS and above)
	RAID Recovery
	Bitmap Support
iSCSI (IP SAN)	iSCSI Target
	Multi-LUNs per Target
	Up to 256 Targets/LUNs Combined
	Supports LUN Mapping & Masking
	Online LUN Capacity Expansion
	Supports SPC-3 Persistent Reservation
	Supports MPIO & MC/S
	iSCSI LUN Backup, One-time Snapshot, and Restore
	iSCSI Connection and Management by QNAP Finder (Windows)
	Virtual Disk Drive (via iSCSI Initiator)
	Stack Chaining Master
	Max No. of Virtual Disk Drives: 8
Server Virtualization & Clustering	Supports VMware vSphere
	Supports Citrix XenServer
	Supports Windows Server 2008 R2 Hyper-V & Failover Clustering
Power Management	Wake on LAN
	Internal Hard Drive Standby Mode
	Scheduled Power on/off (Max 15 Settings)
	Automatic Power on after Power Recovery
	USB and Network UPS Support with SNMP Management
Access Right Management	Max No. of Users: 4, 096
	Max No. of User Groups: 512
	Max No. of Network Shares: 512
	Batch Users Creation
	Import/Export Users
	User Quota Management
	Subfolder Permissions Support for CIFS/SMB, AFP, FTP and Web File Manager
Domain Authentication Integration	Microsoft Active Directory (AD)
	LDAP Server
	LDAP Client
	Domain Users Login via CIFS/SMB, AFP, FTP, and Web File Manager

MyCloudNAS Service	Private Cloud Storage and Sharing
	Free Host Name Registration (DDNS)
	Auto Router Configuration (via UPnP)
	MyCloudNAS Connect for Easy Connection (Windows utility)
Storage Plug & Play	Windows Software: QNAP Finder
	Create and Map Shared Folders
	Create and Connect to iSCSI Target/LUN
Web Administration	AJAX-based User Interface
	Smart Fan Control
	Dynamic DNS (DDNS)
	SNMP (v2 & v3)
	Resource Monitor
	Network Recycle Bin for File Deletion via CIFS/SMB and AFP
	Comprehensive Logs (Events & Connection)
	Syslog Client
	Firmware Live Update
	System Settings Backup and Restore
	Restore to Factory Default
Powerful All-in-one server	
File Server	File Sharing across Windows, Mac, and Linux/UNIX
	Shared Folder Aggregation (CIFS/SMB)
	Web File Manager
	Supports ISO Mounting
	Direct File Viewing via Google Doc
	Create and Send Download Links for Public File Sharing with Expiration Time and Password Protection
FTP Server	FTP over SSL/TLS (Explicit)
	Max No. of Concurrent Connections: 256
	FXP Supported
	Passive FTP Port Range Control
	FTP Bandwidth & Connection Control
	Unicode Support

Backup Server	Remote Replication Server (over Rsync)
	Real-time Remote Replication to another QNAP NAS or FTP Server
	Apple Time Machine Support
	Windows Client Backup Application: QNAP NetBak Replicator
	Third Party Backup Software Support: Acronis True Image, CA BrightStor, ARCserve Backup, EMC Retrospect, Symantec Backup Exec, LaCie SilverKeeper, etc.
Web Server	HTTP/HTTPS Connections
	Supports WebDAV Connection
	Support Virtual Host (Max: 32)
	Importable SSL Certificate
Database Server	Built-in MySQL Server (v5.1.36)
	Web-based Management via phpMyAdmin (QPKG)
Print Server	Max No. of Printers: 3
	Supports Internet Printing Protocol
	Print Job Display and Management
	IP- and Domain Name-based Privilege Control
	Supports Apple Bonjour Printing
Syslog Server	Centralized Log Monitoring and Archiving
	Immediate E-mail Alerts
	Supports Log Filtering
RADIUS Server	Centralized Account Management and Authentication for Network Access
	Supports 802.1x Security Authentication
TFTP Server with PXE Booting (Read-only)	
VPN Server	Secure Remote Access: PPTP & OpenVPN VPN services
	Remote Access to Other Resources on Local Network
	Max No. of Clients: 30
iTunes Server	Audio and Video Sharing (AIF, M4A, M4B, M4V, MOV, MP1, MP2, MP3, MP4, MPEG, MPG, WAV)
	Smart Playlist for iTunes Client (Windows & Mac OS)

UPnP Media Server	Built-in TwonkyMedia Server
	Real-time & Background Photo Transcoding
	Supports UPnP Media Player Such as PlayStation 3 and Xbox 360
	Supported format (The actual playback capabilities may vary depending on the UPnP client.)
	Audio: MP3, MP4, M4A, M4A (ALAC), M4B, 3GP, APL, AC3, M1V, M4V, MOV, AAC, AMR, AWB, WAV, PCM, LPCM, MP1, MP2, AIF, AIFF, AIFC, SND, WMA, OGG, FLAC
	Photo: JPG, JPE, JPEG, TIFF, TIF, GIF, PNG, BMP
	Video: WMV, ASF, VDR, AVI, XVID, DIVX, FLV, MPG, MPE, MTS, M2TS, M2T, MPEG, SPTS, M2P, M2V, MP2T, MP2P, MPG2, DVR-MS, VOB
	Playlist: M3U, M3U8, WPL, PLS
Multimedia Station	Supports Photo, Audio and Video
	Image Slideshow and Rotation
	Automatic & Schedule Thumbnail Generation for Easy Browsing
	Display Photo Details from EXIF: Date, Exposure Time, Aperture, etc.
	Display Audio Details from ID3 Tag: Album Cover, Title, Artist, Album, etc.
	Access Authority Management
	Multimedia (Video & Audio) Streaming
	Supports Cooliris
	Supports Web Publishing (Facebook, MySpace, MSN Live, Twitter, Plurk, Blogger)
	Share Photos by Email
	Supported Formats:
	Photo - JPG/JPEG, GIF, PNG
	Audio - MP3
	Video
	Playback: FLV, MPEG-4 Video (H.264 AAC)
	Transcode: AVI, M4V, MPG/MPEG, RM/RMVB, WMV
	QNAP Exclusive iPhone & Android App - QMobile
Photo Station	Supported File Formats:
	Photo: JPG/JPEG, GIF, PNG, BMP, RAW (.arw, .srf, .sr2, .dcr, .kdc, .cr2, .crw, .nef, mrw, .pef, .paf, .3fr, .erf, .mef, .mos, .orf, .rw2, .dng, .x3f, .tif, .nrw, .raf)
	Video: FLV, MPEG-4 Video (H.264 AAC)
	Image Slideshow with Background Music, Thumbnails, and Different Playback Modes
	Online Photo Editing by Pixlr Editor
	Geotagging Photos with Google Maps
	Slideshow Sharing (from Private Albums) with Password Protection
	Photo Publishing to Social Websites (Facebook, MySpace, Twitter, Plurk, and Blogger)
	Photo Sharing by Email

Music Station	Supported Audio Formats:
	MP3, MP4, OGG, WAV, AIFF, AU, FLAC, M4A, APE, AAC
	Local Playback with USB Speaker/Sound Card
	Browse Other UPnP Media Servers on Local Network
	Internet Radio (MP3)
	Music Alarm (up to 8 Alarms)
	Playback Control by QNAP Mobile App: QMobile Music Remote
Download Station	PC-less BT, FTP, HTTP Download (up to 500 Tasks)
	BT Download
	Supports TCP/UDP Tracker Protocol
	Scheduled Download
	Configurable Port Range
	Bandwidth Control
	UPnP NAT Port Forwarding
	RSS Subscription and Download (Broadcatching)
	Selectable Download Files
	HTTP/ FTP Download
	Configurable Saving Directory
	Bulk Download with Wildcard Settings
	RapidShare Download Support
	QNAP Download Management Software: QGet
	For Both Windows & Mac OS
	Manage the Download Tasks of Multiple QNAP NAS Remotely over LAN or WAN
Surveillance Station	Support 1 IP Camera(up to 4 cameras with additional license purchase) for Network Surveillance
	Supports 1 Webcam via QPKG Add-on: QUSBCam
Antivirus	Protection against the Latest Known 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
QPKG Center	Expands Application Services by Easy Online Installation
	A Wide Variety of Official and Community QPKG Add-ons
The actual available QPKGs may vary depending on the NAS platform.	

Business	eyeOS
	GLPI
	Squid Proxy Server
	Vtiger CRM
CMS	Gallery
	Joomla!
	WordPress
	Xoops
Communications	Asterisk
	XMail
	Xeams
Download	MLDonkey
	NZBGet
	pyLoad
	SABnzbdplus
	Transmission
Entertainment	IceStation
	Plex Media Server
	PS3 Media Server
	Squeezebox Server
Utilities	AjaXplorer
	iStat
	Optware IPKG
	phpMyAdmin
	Piwik
Misc.	Java Runtime Environment
	Mono
	Python
	QUSBCam
	Tomcat
Design and specifications are subject to change without notice.	

Music Station	Supported Audio Formats:
	MP3, MP4, OGG, WAV, AIFF, AU, FLAC, M4A, APE, AAC
	Local Playback with USB Speaker/Sound Card
	Browse Other UPnP Media Servers on Local Network
	Internet Radio (MP3)
	Music Alarm (up to 8 Alarms)
	Playback Control by QNAP Mobile App: QMobile Music Remote
Download Station	PC-less BT, FTP, HTTP Download (up to 500 Tasks)
	BT Download
	Supports TCP/ UDP Tracker Protocol
	Schedule Download
	Configurable Port Range
	Bandwidth Control
	UPnP NAT Port Forwarding
	RSS Subscription and Download (Broadcatching)
	Selectable Download Files
	HTTP/ FTP Download
	Configurable Saving Directory
	Bulk Download with Wildcard Setting
	RapidShare Download Support
	QNAP Download Management Software: QGet
	For Both Windows & Mac OS
	Manage the Download Tasks of Multiple QNAP NAS Remotely over LAN or WAN
Surveillance Station	Supports 1~16** IP Cameras (Optional Purchase) for Network Surveillance
	Supports 1 Webcam via QPKG Add-on: QUSBCam
Antivirus	Protection against the Latest Known 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
	E-mail Notification upon Task Completion or Virus Detection
	Quarantines or Deletes Infected Files
QPKG Center	Expands Application Services by Easy Online Installation
	A Wide Variety of Official and Community QPKG Add-ons
The actual available QPKGs may vary depending on the NAS platform.	

Business	eyeOS
	GLPI
	Squid Proxy Server
	Vtiger CRM
CMS	Gallery
	Joomla
	WordPress
	Xoops
Communications	Asterisk
	XMail
	Xeams
Download	MLDonkey
	NZBGet
	pyLoad
	SABnzbdplus
	Transmission
Entertainment	IceStation
	Plex Media Server
	PS3 Media Server
	SqueezeBox Server
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Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/TS-569PRO-QNAP-TS-569PRO-5-Bay-Turbo-NAS-p-61608.php

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