ComX Computers
Product Specification Sheet

TS-212

QNAP TS-212 Turbo NAS

Product Overview

QNAP TS-212 Turbo NAS - 2-Bay, Serial-ATA 3Gbps, Marvell 6281 1.2GHz Processor, 256MB RAM, 1x Gigabit LAN Port, Firmware 3.6, Portable









Specifications

Features:

An easy-to-use storage center for new digital home experience
Introducing the QNAP TS-212 NAS server for home use, an easy to use networked storage center for the ultimate digital home entertainment experience. QNAP Turbo NAS servers are a new approach for sharing digital photos, music, and movies/videos, and keeping home computers backed up. You can easily view photos, listen to music, and even watch Full HD 1080p movies on a widescreen TV or projector streamed from the NAS over the network through PS3, Xbox 360, or other network media players. You can share multimedia content with family and friends wherever they are on the Internet by web browsers. iPhone/iPod touch/iPad and Android users can browse shared photos or listen to their music collections anywhere with 3G or Wi-Fi connection by streaming content directly to the device - no sync required. QNAP NAS brings to life the ultimate in digital home theater enjoyment.

- View precious photos with slideshows and even background music
- Listen to your favorite music using customized playlists

- Enjoy HD movies or family videos on TV when streamed through various network players
- Anytime, anywhere access to your digital media over the Internet by web browsers or iPhone/iPod touch/iPad, or Android mobile devices

Back up and share your digital photos
QNAP NAS is an ideal device for photo backup, archiving, and sharing. Simply upload your photos to the NAS, you can create and organize beautiful albums by a web browser and share with your family and friends. You can view the entire albums through UPnP-compatible players. Browsing your pictures on widescreen TV with your family has never been easier!

- View photo slideshow with background music
- Display photo details from EXIF: date, exposure time, aperture, etc.
- Publish photos in a few clicks to social networking sites such as Facebook, Twitter, MySpace, and more.
- Share photos with your friends by email
- Browse photos via QMobile app for iPhone, iPad, and Android devices

Build your own home music library and enjoy it anywhere
You can use the QNAP NAS as a music server to easily store music files and share them to your PC or various media players.

- Enjoy your stored music on your PC
- You can listen to your favorite MP3 songs streamed from iTunes Server, or play music by web browsers on your PC.
- Play your music on Logitech Squeezebox players
- With SBS (Squeezebox Server) QPKG plugin, you can efficiently manage and play them with Logitech music players without even turning on the PC.
- Experience high-quality music directly on Hi-Fi system
- Stream music to your UPnP Hi-Fi system and indulge in high-quality sound experience.
- Listen to your music on iPhone/iPod touch/iPad and Android devices anywhere you have a 3G or Wi-Fi connection. Put tons of music right in your pocket! You can play the music files via QMobile app on iPhone, iPad, and Android devices remotely without taking up the storage space of the handheld devices.

QNAP home Turbo NAS with large storage capacity and high performance for your home theater
QNAP NAS is an ideal video storage center for you to store numerous home videos, movies, and ripped Blu-ray or DVDs. Not only that, you can enjoy Full HD movies on your TV streamed from the NAS through PS3, Xbox 360, and other network media players. The NAS features high-speed data transfer of exceeding 70MB/s*, fast enough to support multiple 1080p HD streams. The whisper-quiet design brings you the best cinema-grade home theater experience right in your living room.

Complete Backup Server
With QNAP's backup utility NetBak Replicator, you can automatically back up your important files from Windows PC to a QNAP NAS over the network. You can execute real-time synchronization and scheduled backup from multiple PCs to the NAS, and also restore the data to the original location or to a new directory in the event of a PC crash. In addition, QNAP NAS are compatible with many third-party backup software applications including Apple Time Machine.

Home File Server
You never have to worry about the PC's hard drive crashing and data loss, because it is easy for everyone to centrally store, protect, and recover files on the NAS with advanced data protection. You can conveniently share all the photos, music, and movies/videos with your family and friends. Furthermore, different family members can be assigned to access specific share folders for privacy. All the advanced software features are built-in without extra effort and cost.

Home Printer Server
You can connect up to 3 USB printers to the QNAP NAS and share the printers with family members for network (LAN or Internet) printing.

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

MyCloudNAS Service
MyCloudNAS is a service which allows you to connect to your NAS remotely from anywhere. Various NAS services can be easily published and accessed on the Internet. You can download and upload files, back up and share your photos and music instantly, and even back up important files from the NAS to other cloud storage providers.

Web File Manager
QNAP Turbo NAS provides Web File Manager for you to access and manage the server data anytime, anywhere by a web browser. Web File Manager supports intelligent data search, batch files upload and download, file extraction, mounting ISO files, file-level permission settings, and more.

FTP Server
You can set up QNAP NAS as an FTP server and share large files conveniently with others.

Wireless Data Access by Apple iPhone and Android Phones
QMobile is an application dedicated to iPhone, iPod touch, iPad, and Android users. You can view and play Terabytes of photos, music, and video files on the NAS by QMobile from anywhere regardless of the actual storage size of your mobile devices. You can also upload photos to QNAP NAS straightway from your iPhone for instant sharing.

Easy to Install, Easy to Use
The easy-to-use wizard is included in the product CD. Just a few clicks to go through the steps, and you can complete the installation in few minutes. The NAS is designed with user-friendly AJAX web interface, you can easily enjoy all the features - No IT expertise required.

Secure Network Access Protection

- Auto network attack prevention:
- To prevent the QNAP NAS succumbing to external malicious attacks, you can create an IP filter policy to allow, deny, or auto-block the IP address or network domain which attempts to connect to the NAS via SSH, Telnet, HTTP(S), FTP, Samba, and AFP.
- Instant SMS and email alert:
- You can configure the SMTP server and SMSC server settings on the NAS in order to receive instant system warning or error messages by email or SMS.
- Comprehensive event logs:
- Detailed logs of file-level data access to the NAS via Samba, FTP, AFP, HTTP, HTTPS, Telnet, and SSH, and networking services accessed by online users are all recorded.
- SSL security (HTTPS):
- The NAS can be accessed and configured by web browser securely.
- Remote login to the NAS by SSH (secure shell) or Telnet connection is supported.
- Secure FTP:
- The data can be transmitted with SSL/TLS (explicit) encryption. Passive FTP port range setup is also supported.
- Write-only access right on FTP server:
- The third party partners are allowed to upload data to the NAS but not able to read or edit the data on the NAS via FTP.

Green Design
QNAP NAS features the latest green technologies to protect the environment and save your electricity bill. The smart fan monitors the server and hard drive temperature and automatically adjusts the fan speed for quiet 24/7 operation. The hard drives can also be set to enter sleep mode after a period of idling to reduce power consumption and extend their lifespan. The NAS can also be scheduled for automatic power on and off to save energy when no data access is required.

High-speed data sharing for home network
With the Gigabit Ethernet interface and advanced processor, the NAS delivers ultra-high-speed home network data transfer. You can quickly store large amount of movies, photos, and music within a short period of time.

Download Station
QNAP NAS is a perfect download center for high speed BT, eMule, FTP, HTTP download. You can use the Download Station with the QGet utility to manage your download tasks remotely on the local network or the Internet. The NAS also supports continuous NZB download, and eMule download by installed QPKG without turning on a PC.

Surveillance Station
Surveillance Station of QNAP NAS enables you to connect to multiple IP-based security cameras for real-time monitoring, recording, and playback. It supports leading network camera brands such as AXIS, D-Link, IPUX, LevelOne, Linksys, Panasonic, and VIVOTEK. By using particular models, you can use two-way video and audio monitoring and recording, and smart PTZ control to control the monitoring direction of the IP cameras by a web browser.

Virtual Host Supported Web Server
You can host multiple websites on QNAP NAS with the web server and virtual host feature. The NAS supports PHP, MySQL, HTTPS connection, and SSL authentication. It is the ideal solution for you to create your own websites, e-shops, blogs, content management system (CMS), wiki, and so on.

MySQL Server
The NAS can be flexibly applied in various deployments such as a database server of another web server in remote site or as an additional backup database server.

Network UPS
This feature allows multiple QNAP NAS servers on the same physical network to be protected by a single UPS via receiving UPS notification about abnormal power supply.

Built-in iSCSI Target Service
The TS-212 is both a NAS and an iSCSI target server, ideal for cost-efficient IP-SAN setup. You can make use of the built-in iSCSI target service to add up to 256 iSCSI devices. Different iSCSI Target LUNs (Logical Unit Number) can be defined as storage expansion or backup destination of the existing application servers, such as database servers and mail servers. Furthermore, the "Virtual Space Allocation" (Thin Provisioning) feature is provided which allows you to flexibly allocate the capacity of iSCSI LUN (Logical Unit Number). When the physical storage capacity of the volume is going to be full, you can easily expand the storage capacity by adjusting/removing the currently unused volume space.

Virtual Disk Drive (VDD)
The NAS supports flexible storage expansion by stacking other iSCSI targets on the network via its built-in iSCSI initiator. The connected iSCSI targets are turned into "virtual disk drives" of the NAS to provide more storage capacity.

Windows Active Directory (AD)
You can import the user accounts* from a Windows AD domain to the NAS to let the domain users access the domain and the NAS with the same login settings. The NAS also supports setup of large amount of users and user groups.(200,000 domain users and user groups can be imported according to QNAP's lab test.)

Software Expansion via QPKG Plugins
You can maximize the usage of QNAP NAS by installing additional QPKG software packages developed by the users and community worldwide.

Spesifications:

Hardware Spec.	
CPU	Marvell 6281 1.2GHz
DRAM	256MB DDRII RAM
Flash Memory	16MB

Hard Disk Drive	2 x 3.5" SATA I/II hard disk drive (HDD)
LAN Port	1 x Gigabit RJ-45 Ethernet port
LED Indicators	USB, Status, HDD1, HDD2, LAN, Power
USB	3 x USB 2.0 port (front: 1; back: 2)
	Support USB printer, pen drive, USB hub, and USB UPS etc.
Buttons	System: Power button, One touch copy button, Reset button
Alarm Buzzer	System warning
Form Factor	Portable
Dimensions	165.5 (H) x 85 (W) x 218.4 (D) mm
	6.52 (H) x 3.35 (W) x 8.60(D) inch
Weight	Net weight: 0.91 kg/ 2.01 lb
	Gross weight: 1.9 kg/ 4.19 lb
Power Consumption (W)	Sleep mode: 6W
	In operation: 13W
	(with 2 x 500GB HDD installed)
Temperature	0-40 degreesC
Humidity	0-95% R.H.
Power	External Power Adapter, 60W, 100-240V
Secure Design	K-lock security slot for theft prevention
Fan	1 x quiet cooling fan (6cm, 12V DC)
Software Spec.	
Operating System	Embedded Linux
Supported Operating System	Microsoft Windows 2000, XP, Vista (32/ 64 bit), Windows 7 (32/ 64 bit), Windows 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, French, German, Italian, Japanese, Korean, Norwegian, Polish, Russian, Spanish, Swedish, Turkish.
File System	Internal HDD: EXT3, EXT4
	External HDD: EXT3, EXT4, NTFS, FAT32, HFS

Networking	TCP/IP (IPv4 & IPv6: Dual Stack)
	DHCP Client, DHCP Server
	Protocols: CIFS/SMB, AFP (3.1), NFS, FTP, HTTP, HTTPS, Telnet, SSH, iSCSI and SNMP.
	Network Service Discovery (UPnP, Bonjour)
	USB Wi-Fi 802.11n Adapter Support (Optional Purchase)
Network File Sharing	CIFS/SMB (Plus DFS Support)
	AFP
	NFS
	FTP
	WebDAV
Backup Solution	USB One Touch Backup (Import/Export)
	Apple Time Machine Support with Backup Management
	Block-level Remote Replication
	Work as Both Rsync Server & Client
	Supports Encrypted Replication between QNAP NAS Servers
	Back up to External Storage Device
	Back up to Cloud Storage (Amazon S3 & ElephantDrive)
Security	IP Filter & Policy-based Automatic IP Blocking
	Network Access Protection with Auto-blocking
	Encrypted Access: HTTPS, FTP with SSL/TLS (Explicit), SSH/ SFTP (admin only), Encrypted Remote Replication (Rysnc over SSH)
	CIFS Host Access Control for Shared Folders
	Importable SSL Certificate
	Instant Alert via E-mail, SMS
Disk Management	Single Disk, JBOD, RAID 0 / 1
	Bad Block Scan & HDD S.M.A.R.T
	Bitmap Support
	Supports ISO Mounting (via Web File Manager)
iSCSI (IP SAN)	iSCSI Target
	Multi-LUNs per Target
	Up to 256 LUNs
	Supports LUN Mapping & Masking
	Supports SPC-3 Persistent Reservation
	Supports MPIO & MC/S
	Virtual Disk Drive (via iSCSI Initiator)
	Stack Chaining Master
	Max. Virtual Disk Drives: 8

Power Management	Scheduled Power on/off (Max 15 settings)
	Automatic Power on after Power Recovery
Access Right Management	Max User Accounts: 2, 048
	Max Groups: 256
	Max. Share Folder: 256
	Batch Creating Users
	Import/ Export User
	User Quota Management
	Subfolder Permissions Support
Windows AD Support	Domain Users Login via CIFS/SMB, AFP, FTP and Web File Manager
	Supports NTLMv2 Authentication
Web Administration	AJAX-based User Interface
	HTTP/HTTPS Connections
	Alert Notification (Email & SMS)
	Smart Fan Control
	DDNS & MyCloudNAS Remote Access
	SNMP (v2 & v3)
	UPS Support with SNMP Management (USB)
	Supports Network UPS
	Resource Monitor
	Network Recycle Bin for CIFS/SMB and AFP
	Comprehensive Logs (Events & Connection)
	Real-time Online User List
	Syslog Client
	Firmware Update with Live Update Notification
	Backup and Restore System Settings
	Restore to Factory Default
Applications	Web File Manager
	Multimedia Station
	Download Station
	Surveillance Station
	iTunes Server
	Apache Web Server
	MySQL Server
Mobile App	QMobile for iPhone/ iPad/ Android
	3rd Party UPnP Media Player

QPKG	Web Applications
	Joomla!
	phpMyAdmin
	WordPress
	AjaXplorer
	vtigerCRM
	eyeOS
	Magento
	GLPI
	P2P Applications
	MLDonkey (eMule)
	SABnzbd
	NZBGet
	Server Applications
	Asterisk
	XDove (Mail Server)
	OpenLDAP
	Media Server
	Squeezebox Server
	IceStation
	Misc.
	Optware IPKG
	Python
	iStat
Powerful All-in-one server	
File Server	File Sharing Across Windows, Mac OS and Linux/ Unix Platforms
	Protocols: CIFS/SMB, AFP(3.1), NFS, FTP, HTTP, HTTPS
	QNAP Web File Manager
	Supports ISO Mounting
	Direct File Viewing via Google Doc
FTP Server	FTP over SSL/TLS (Explicit)
	Max Concurrent Connections: 256
	FXP Supported
	Passive FTP Port Range Control
	FTP Bandwidth & Connection Control
	Unicode Support

Web Server	HTTP/ HTTPS Connections
	Supports WebDAV Connection
	Supports Virtual Host
	Importable SSL Certificate
Database Server	Built-in MySQL Server
	Web-based Management via phpMyAdmin (QPKG)
Backup Server	Remote Replication Server (over Rsync)
	Apple Time Machine Support
	QNAP Client Backup Application-NetBak Replicator
	3rd Party Backup Software Support: Acronis True Image, CA Brightstor, ARCserve Backup, EMC Retrospect, Symantec Backup Exec, LaCie Silverkeeper
iTunes Server	Audio and Video Sharing
	Smart Playlist for iTunes Client (Windows & Mac OS)
UPnP Media Server	Built-in TwonkyMedia Server
	Real-time & Background Photo Transcoding
	Supports UPnP Media Player
	Game Console: PlayStation 3, PSP and Xbox 360
	Digital Media Adapter/Player
	Mobile Device (e.g. iPhone, iPod touch with UPnP Applications)
	Supported Formats:
	ASF - Windows Media Video (Codecs: WMV video and WMA audio)
	BMP - Bitmap Image
	FLV, F1V, F4V - Standard Quality YouTube Video (Codec: Flash, Video: Sorenson Spark H.263 Video Codec & MP3 Audio Codec)
	GIF - Graphics Interchange Format
	JPG, JPEG, JPE - Joint Photographic Experts Group Image
	MP3 - MPEG Audio Layer 3 (Codec: MPEG Audio)
	MP4 - High Quality YouTube Video (Codecs: MP4: H.264 Video & HE-AAC audio)
	MP4 - MPEG-4 Video (Codecs: Microsoft MPEG-4 v1, Microsoft MPEG-4 v2, Microsoft MPEG-4 v3 & ISO MPEG-4 v1)
	MPEG, .MPG, .MLV - MPEG-1 (Codecs: MPEG-1 Video & MP2 Audio)
	PNG - Portable Network Graphics
	WAV - Linear Audio (Codecs: Uncompressed PCM-encoded & ADPCM-encoded)

Printer Server	Network Printer Sharing (USB)
	Max Printers: 3
	Supports Internet Printing Protocol
	Supports Apple Bonjour Printing
	Advanced Printer Management
	Displays and Manages the Print Jobs
	Access Right Control (IP & Domain Names)
Multimedia Station	Supports Photo, Audio and Video
	Image Slide Show 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)
	Supports E-mail Publishing
	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 & iPad App - QMobile

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
	Subscribes to RSS Feeds
	RSS 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 2 IP Cameras (Optional Purchase) for Network Surveillance

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-212-QNAP-TS-212-Turbo-NAS-p-59199.php

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