

# TS-873A



**Brand:** QNAP

**Product Code:** TS-873A

**Availability:** 10

**Weight:** 7.40kg

**Dimensions:** 180.20mm x 329.30mm x  
279.60mm

**Call for Price:**

## Short Description

AMD Ryzen™ quad-core 2.2 GHz 2.5GbE NAS supports M.2 NVMe SSD and PCIe expansion for adding 10GbE high-speed connectivity and M.2 SSD; QTS and QuTS hero dual operating system for greater flexibility

## Description

Featuring an AMD Ryzen™ V1000 series V1500B quad-core processor that delivers great system performance with up to quad-core / 8 threads and Turbo Core up to 2.2 GHz. The TS-873A features two 2.5GbE RJ45 ports and two PCIe Gen 3 slots for you to flexibly deploy 5GbE/10GbE networks. Two M.2 NVMe SSD slots for Qtier Technology and SSD Caching enable constant storage optimization. The TS-873A supports QTS and QuTS hero, allowing users to flexibly switch operating system based on their requirements.



- **2.5GbE connectivity**

Both 2.5GbE ports are backwards compatible with 1GbE/ 100MbE speeds. Up to 5 Gbps transfer speeds can be achieved by using port trunking.

- **Flexible PCIe expansion**

Add extra functionality with PCIe cards, including 10GbE ports, SSD caching, extra USB 3.2 Gen 2 ports, wireless networking, or Fibre Channel.

- **GPU applications**

Supports entry-level NVIDIA® graphics cards for video processing or GPU-passthrough to VMs.

- **SSD cache acceleration**

Features two M.2 PCIe NVMe SSD slots for Qtier Technology and SSD Caching enable constant storage optimization.

- **Virtualization applications**

Host containerized applications and virtual machines with various operating systems.

- **Supports QTS/QuTS hero OS**

Features QTS operating system and supports switching to ZFS-based QuTS hero for greater reliability.

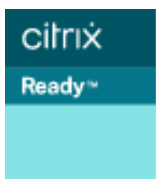
## **High performance AMD Ryzen™ processor**

The TS-873A is powered by an AMD Ryzen™ V1000 series V1500 quad-core 2.2 GHz processor with up to 64GB RAM (ECC memory is supported\*) and features USB 3.2

Gen 2 ports for speeds up to 10 Gb/s. The TS-873A also provides one USB Type-C port for supporting more devices to transfer large media files across devices, providing you with a more efficient workflow.

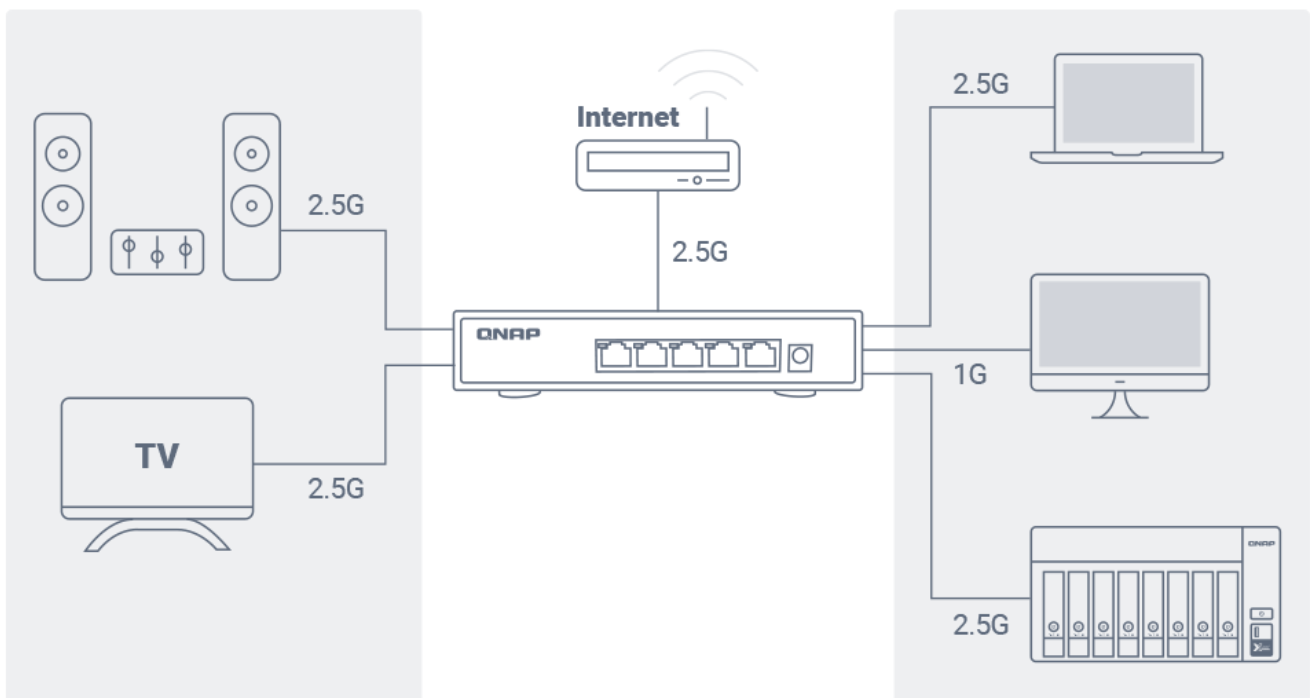
\*Using ECC memory requires the removal of pre-installed memory, as you cannot use non-ECC memory with ECC memory.

## **Virtualization Certifications Supported by TS-873A**



## Transform your network with a wallet-friendly 2.5GbE switch

Upgrading your network shouldn't break the bank, and 2.5GbE connectivity provides immediately noticeable improvements compared to standard 1GbE. QNAP offers 2.5GbE switches that supports Multi-Gigabit NBASE-T™ and allows you to use existing CAT5e cables to connect multiple computers and NAS, assisting organizations in implementing high-speed, secure and scalable network environments without going over budget.



## Switch to QuTS hero operating system for optimal data integrity and reliability

The TS-873A also supports QuTS hero - QNAP's ZFS-based NAS operating system.

Providing end-to-end data integrity, data reduction (inline data deduplication, compression, and compaction), and much more, QuTS hero uses additional system

resources to ensure an optimal environment for protecting business data.

## **QTS**

Suited for cross-teams file sync, and HDD-SSD hybrid storage applications

## **QuTS hero**

Featuring highly reliable data protection and data reduction, and optimized for SSD-based applications



## **Obtain performance benefits from M.2 SSD caching**

The TS-873A features 2 M.2 NVMe SSD slots for you to enjoy SSD caching or Qtier auto tiering Technology

### **Improve random data access speeds with an SSD cache**

SSD caches accelerate IOPS performance and reduce latency for storage volumes. They are perfect for IOPS-demanding applications (including databases and virtualization) and can significantly improve overall workflows.

### **Maximize the value of SSDs with Qtier Technology**

Qtier™ Technology empowers the TS-873A with auto tiering that helps continuously optimize storage efficiency by automatically moving data between M.2 SSDs, 2.5-inch SSDs, and high-capacity HDDs based on the data's access frequency. Qtier™ 2.0 features IO-awareness that empowers SSD-tiered storage with a cache-like reserved space to handle burst I/O in real time, greatly maximizing the advantages of SSDs.

### **Upgrade to 10GbE and abundant capability with PCIe expansion**

The TS-873A features two PCIe Gen 3 x4 slots that allows for various expansion cards for expanding application potential.

### **SAS/ SATA expansion card**

Designed for connecting the TS-873A to TL SATA, TL SAS and REXP expansion units to increase storage capacity.

### **5GbE/10GbE network card**

Enable lightning-fast throughput for bandwidth-demanding tasks, such as virtualization, massive data transmission, and fast backup/restoration.

## **QM2 M.2 SSD/10GBE CARD**

Adds M.2 NVMe SSD/ SATA SSD caching or 10GbE (10GBASE-T) connectivity to the NAS for optimized performance and bandwidth.

## **USB 3.2 GEN 2 (10GBPS) expansion card**

Enjoy higher network speeds or boost the USB connectivity for faster file transfer.

## **Wi-Fi 6 wireless adapter**

Install a PCIe 802.11AX network adapter (based on the Intel® AX200) in your NAS to create a seamless Wi-Fi 6 network environment or add a QWA-AC2600 wireless adapter with WirelessAP Station to build a wireless access point.

## **Easy and Secure File Management**

File Station allows direct management of files stored on the TS-873A and in the cloud.

Users can easily upload files from their PC, drag/drop files between folders,

rename/delete files, and configure file/folder permissions to prevent unauthorized access.

Microsoft Office Online can also be used to directly view/edit Microsoft Office documents stored on the TS-873A. Confidential/sensitive data can be encrypted to add extra security.

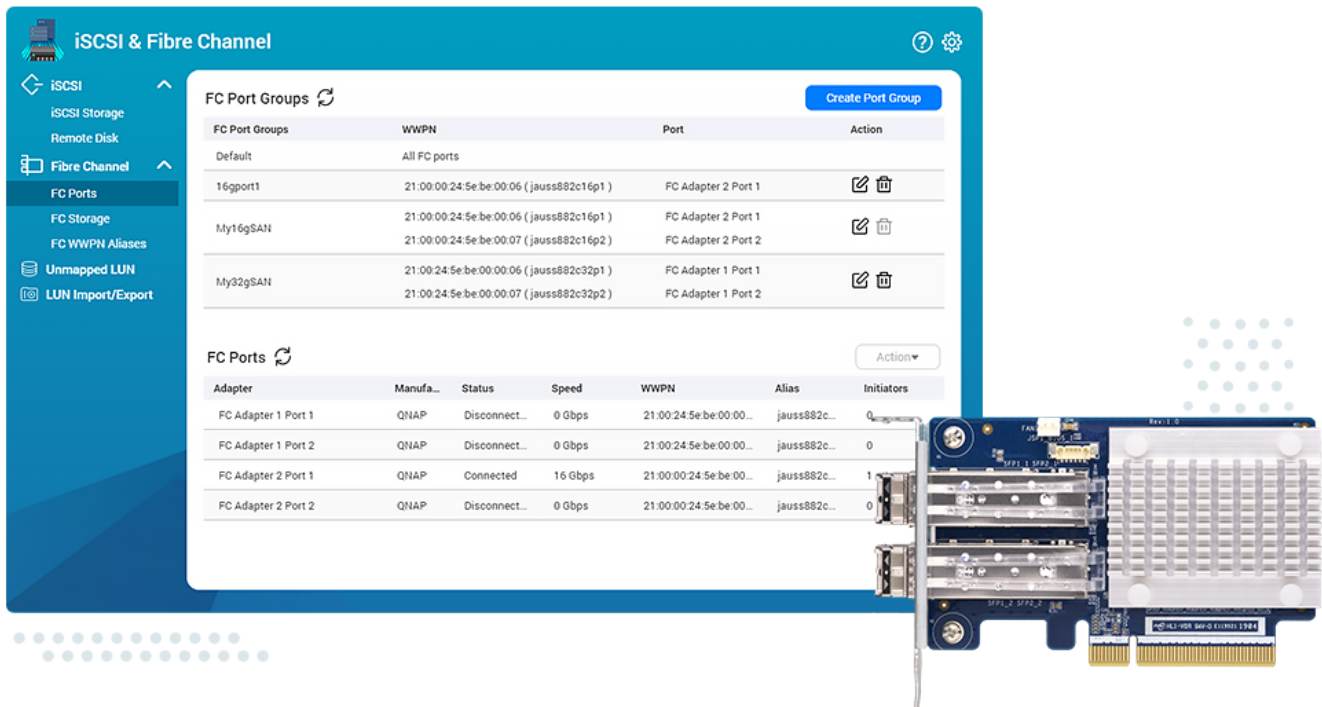
## **Install a graphics card for GPU-accelerated computing**

Graphics cards are optimized for graphical calculations and transformations, but require significantly more power than other hardware. The TS-873A features PCIe slots to support high-profile graphics cards that do not need power cables, including NVIDIA® GeForce® GTX1650 graphics cards to boost performance of applications such as video editing , 4K UHD transcoding, imaging processing in QTS and performance of virtual machines via GPU passthrough.



## Build an affordable Fibre Channel SAN environment

Common Fibre Channel Storage Area Networks (SAN) devices are often costly. By installing a QNAP 16Gb Fibre Channel card (QXP-16G2FC 16Gb) in the TS-873A, you can set a Fibre Channel Target using the iSCSI & Fibre Channel app. Moreover, the LUN Masking and Port Binding features provide an additional layer of data security.



The screenshot displays the 'iSCSI & Fibre Channel' management interface. The left sidebar shows navigation options: iSCSI, iSCSI Storage, Remote Disk, Fibre Channel, FC Ports, FC Storage, FC WWPN Aliases, Unmapped LUN, and LUN Import/Export. The main area is divided into two sections: 'FC Port Groups' and 'FC Ports'.

**FC Port Groups**

FC Port Groups	WWPN	Port	Action
Default	All FC ports		
16gport1	21:00:00:24:5e:be:00:06 (jauss882c16p1)	FC Adapter 2 Port 1	[Edit] [Delete]
My16gSAN	21:00:00:24:5e:be:00:06 (jauss882c16p1)	FC Adapter 2 Port 1	[Edit] [Delete]
	21:00:00:24:5e:be:00:07 (jauss882c16p2)	FC Adapter 2 Port 2	[Edit] [Delete]
My32gSAN	21:00:24:5e:be:00:00:06 (jauss882c32p1)	FC Adapter 1 Port 1	[Edit] [Delete]
	21:00:24:5e:be:00:00:07 (jauss882c32p2)	FC Adapter 1 Port 2	[Edit] [Delete]

**FC Ports**

Adapter	Manufa...	Status	Speed	WWPN	Alias	Initiators
FC Adapter 1 Port 1	QNAP	Disconnect...	0 Gbps	21:00:24:5e:be:00:00...	jauss882c...	0
FC Adapter 1 Port 2	QNAP	Disconnect...	0 Gbps	21:00:24:5e:be:00:00...	jauss882c...	0
FC Adapter 2 Port 1	QNAP	Connected	16 Gbps	21:00:00:24:5e:be:00...	jauss882c...	1
FC Adapter 2 Port 2	QNAP	Disconnect...	0 Gbps	21:00:00:24:5e:be:00...	jauss882c...	0

The QNAP 16Gb Fibre Channel card (QXP-16G2FC) is shown next to the interface. It is a PCIe card with two SFP ports and a label that reads 'QXP-16G2FC 16Gb'.

## High-speed 2.5GbE VM Backup Solution

With Hyper Data Protector, the TS-873A becomes an agentless backup tool for unlimited VMware® vSphere and Microsoft® Hyper-V VM backup. Hyper Data Protector features incremental backup, global deduplication, backup scheduling and recovery compression. With 2.5GbE connectivity, backup and restoration times are greatly reduced, providing a cost-effective solution for disaster recovery.

# QNAP Backup & Data Protection Solutions: Complete Apps & Utilities at Your Fingertips

QNAP provides comprehensive solutions for virtually all data protection requirements. Discover an array of apps/utilities to help you back up various sources, including:

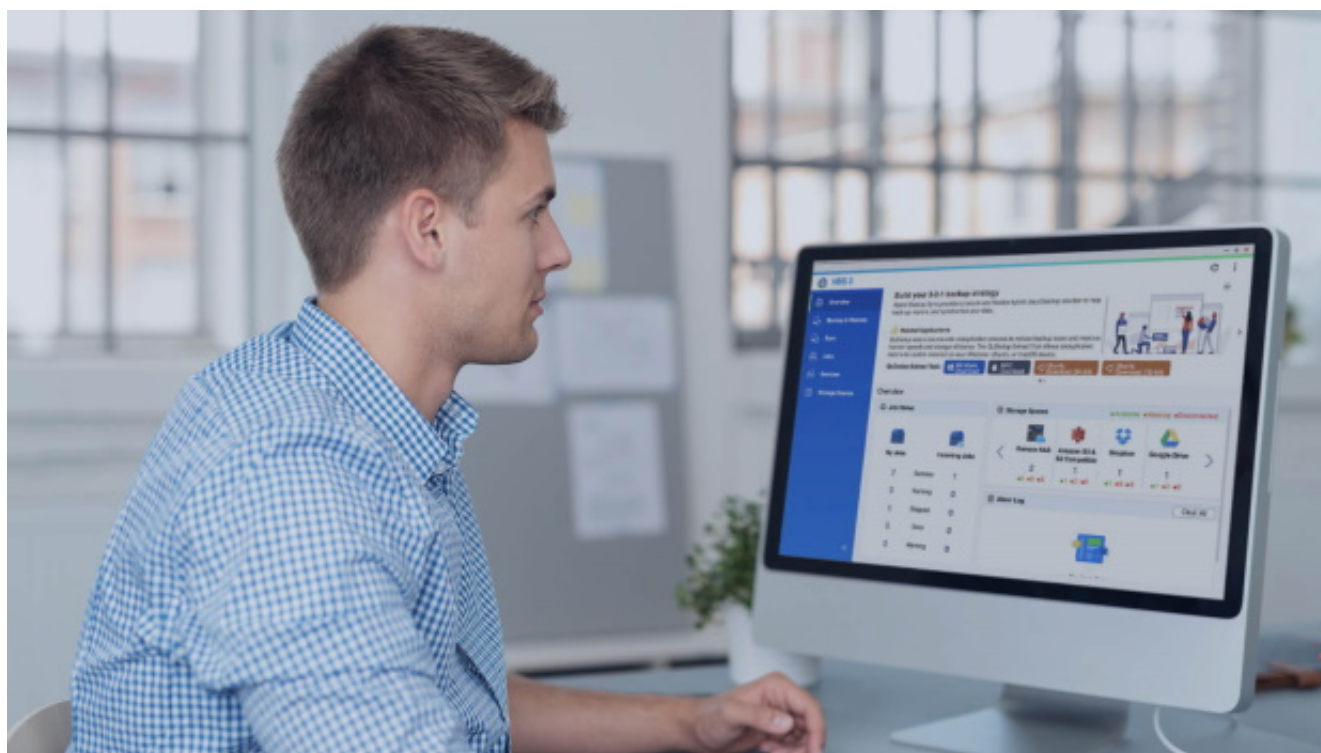
[Boxafe](#) – Google Workspace (G Suite) /Microsoft 365 SaaS backup

[Hyper Data Protector](#) – VMware vSphere/Microsoft Hyper-V VM backup

[Hybrid Backup Sync](#) – QNAP NAS/file server/macOS backup

[NetBak Replicator](#) – Windows backup

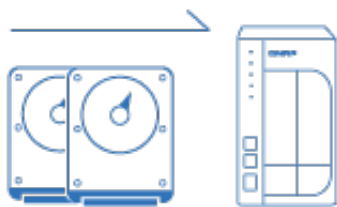
[Snapshot](#) – QNAP NAS protection/backup



## Flexible and economical storage expansion

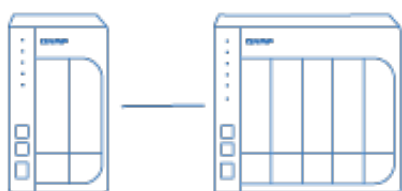
QNAP provides easy storage capacity expansion solutions. Here are several ways to

expand your TS-873A storage as needed to accommodate data and business growth.



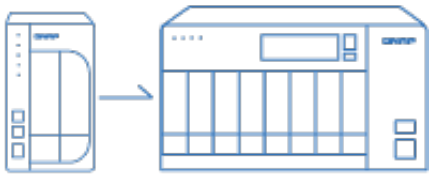
## **Upgrade RAID Capacity**

Hot-swap lower-capacity drives with larger-capacity drives to expand your NAS capacity so it can grow with your business.



## **Attach Expansion Enclosures**

Connect two TR-004 RAID expansion enclosures, or one 8-bay TL-D800S SATA 6 Gb/s JBOD, and use the QTS Storage & Snapshots Manager to easily handle NAS capacity expansion.



## **Migrate to a New NAS**

Install your NAS hard drives into a larger QNAP NAS and retain all your existing data and configurations.

## **More productivity applications**



## **Qsirch**

QNAP's powerful, Google-like search tool for quickly finding specific images, music,

videos, documents, and emails by keywords, color, and more search conditions.



## **Boxafe**

Backup/sync files, emails, calendars and contacts from Google™ Workspace and Microsoft® Office 365® into the TS-873A to safeguard enterprise cloud data.



## **QuMagie**

An AI-powered photo management app, supporting automated photo categorization with AI Albums, iOS® Live Photo display, and powerful search tool for ultimate photo management and sharing solution.

## Software Specs

Operating System

Supported Client Operating Systems

QTS 5.2.3

1. Apple Mac OS 10.10 or later
2. Ubuntu 14.04, CentOS 7, RHEL 6.6, SUSE 12 or later Linux
3. IBM AIX 7, Solaris 10 or later UNIX
4. Microsoft Windows 7, 8, 10 and 11
5. Microsoft Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019 and 2022

Supported Browsers

1. Apple Safari (latest version)
2. Google Chrome (latest version)
3. Microsoft Edge (latest version)
4. Mozilla Firefox (latest version)

Supported Languages

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

Storage Pool

??

SED Storage Pool

??

Maximum Pool size

308 TB

Maximum number of storage pool

128

Volume Type

Thick, Thin, Static

Maximum volume size

250 TB

Note: At least 4 GB RAM is required.

Maximum number of volume

128

Maximum shared folder size	250 TB
Maximum number of shared folder	512
JBOD Expansion	??
VJBOD / VJBOD Cloud	??
iSCSI Service	??
Fibre Channel Service	??
LUN Type	Thick, Thin
File-based iSCSI LUN	??
Block-based iSCSI LUN	??
Maximum LUN size	250 TB

Note: At least 4 GB RAM is required.

Maximum number of targets LUN	128
LUN feature	<ol style="list-style-type: none"> <li>1. LUN Mapping (LUN can be moved between iSCSI and FC)</li> <li>2. LUN Masking</li> <li>3. WWPN Aliases Import/Export</li> <li>4. FC Port Group</li> <li>5. FC Port Binding</li> <li>6. Multipath IO (MPIO)</li> <li>7. Online LUN capacity expansion</li> <li>8. LUN snapshot</li> <li>9. LUN snapshot replication and clone</li> </ol>
Auto Tiering	??

Requires minimum 2GB memory.

RAID Type	<ol style="list-style-type: none"> <li>1. 8-bay (and more): JBOD, Single, RAID 0, 1, 5, 6, 10, 50, 60</li> <li>2. 6-bay: JBOD, Single, RAID 0, 1, 5, 6, 10, 50</li> <li>3. 4-bay: JBOD, Single, RAID 0, 1, 5, 6, 10</li> <li>4. 2-bay: JBOD, Single, RAID 0, 1</li> </ol>
RAID Group	??

To ensure data security, system stability, and storage performance, the maximum number of drives for a single RAID group is now 16 (applicable to RAID 5, RAID 6, RAID TP, and subgroups of RAID 50 and RAID 60). Nevertheless, users can combine multiple RAID groups into a large storage pool that

contains more than 16 drives, using RAID 50, RAID 60, or RAID 10 as the RAID configuration. This enhancement will only be applied to new RAID groups. All existing RAID groups and storage systems will not be affected.

RAID Level Migration	??
RAID Expansion (by adding Disk)	??
RAID Expansion (by replacing bigger Disks)	??
Storage Pool Expansion (by adding RAID Group)	??
RAID Hot Spare	Global, Local
RAID Sync/Rebuild/Scrubbing	??
Internal drive	EXT4
External drive	EXT3, EXT4, NTFS, FAT32, HFS+, and exFAT (optional for ARM model)

Note: To use exFat in certain models you must purchase an exFAT driver license from License Center.

Disk, Enclosure Locate	??
Disk S.M.A.R.T. Scan	??
Disk S.M.A.R.T. Data Migration	??
Ironwolf Health Management	??
Secure Erase	??
SSD Trim	??
SSD Life Estimation	??
Disk Roaming	??
Disk Standby	??
Volume Snapshot	??
LUN Snapshot	??
Maximum Snapshot (Per System)	<a href="#">Check maximum number of snapshots of your NAS</a>
Maximum Snapshot (Per Volume / LUN)	<a href="#">Check maximum number of snapshots of your NAS</a>
Minimum Snapshot Interval	5 minutes
Snapshot Retention Policy	??
Self-serve Snapshot Recovery	??
Application Consisted Snapshot	??
Snapshot Full Clone	??
Snapshot Replica / Vault	??

SSD read-only Cache	??
SSD read-write cache	??
SSD write-only cache	??
SSD Cache Maximum Size	<a href="#">Check your QNAP NAS cache capacity and RAM requirements</a>
SSD Cache RAID	0, 1, 5, 6, 10
SSD profiling tool	??
External Device Management	??
Mount Smart Phone (MTP)	??
External RAID Device (QNAP so on)	??
Management (External Device Mode)	
External RAID Device (QNAP so on)	??
Management (NAS Mode)	
File Server	<ol style="list-style-type: none"> <li>1. File sharing across Windows, Mac, and Linux/UNIX</li> <li>2. Microsoft networking (CIFS/SMB)</li> <li>3. Apple networking (AFP)</li> <li>4. NFS version 3/4 services</li> </ol>
FTP Server	<ol style="list-style-type: none"> <li>1. QuFTP</li> <li>2. FTP, SFTP and TFTP protocols</li> <li>3. FTP over SSL/TLS (explicit FTPS)</li> <li>4. FXP support</li> </ol>
Maximum FTP connection	1024
File Station (Web)	??
Object Storage	??
Local user account	4,096
Local group account	512
Domain user/group account	200,000
Domain Security	??
Domain Controller	??
Shared folder permission	??
Advanced folder permission	?? , (AFP, CIFS/SMB, FTP, and File Station)
Windows ACL	?? , (CIFS/SMB)
User quota	??
Group quota	??
Folder quota	?? , (Snapshot shared folder)
Home folder	??
Resource Monitor	??
SNMP	V2, V3
Network recycle bin	<ol style="list-style-type: none"> <li>1. Recover files deleted using AFP, CIFS/SMB, and File Station</li> </ol>

## 2. Automatic cleanup and file type filter

System Log & Notification Center	Log recording: 3,000 event per second
Smart Fan	??
Schedule on/off	??
Internet protocol	IPv4, IPv6
Virtual Switch	
Port trunking	?? , (7 modes)
VLAN	??
DHCP Server	??
DDNS (Dynamic Domain Name Service)	??
Network access protection with auto-blocking	SSH, Telnet, HTTP(S), FTP, CIFS/SMB, and AFP
Security Counselor	??
Malware Remover	??
AES 256-bit Volume Encryption validated by FIPS 140-2 CAVP	??
2-step verification	??
Allow/Deny List	??
Access Protection	??
Service binding	??
Firewall	??
VMware vSphere Ready	??
Windows Server certficated	??
Citrix Ready	??
vSphere Web Client Plug-in	??
VMware vSphere VAAI for iSCSI	??
VMware vSphere VAAI for NAS	??
Windows ODX	??
Windows/VMware Snapshot Agent	??
HTTP/HTTPS Connections	TLS 1.0/1.1/1.2/1.3
Supports WebDAV Connection	??
Supports Virtual Hosts	32
Qsync	??

Note: At least 1 GB RAM is required.

[Qsync] Management Mode	User customization, Central
[Qsync] Qsync client supported platforms	Windows, macOS, Ubuntu, Android, and iOS
[Qsync] Maximum number of version control	64
HybridMount	??

[HybridMount] File Cloud Gateway	Note: At least 1 GB RAM is required. Concurrent Connections = 20 Upload & 20 Download
[HybridMount] Network Drive Mount	??
[HybridMount] Free cloud gateway sessions	2
HBS (Hybrid Backup Sync)	??

	Note: At least 1 GB RAM is required.
[HBS (Hybrid Backup Sync)] NAS to NAS backup	??
[HBS (Hybrid Backup Sync)] Cloud Backup	??
[HBS (Hybrid Backup Sync)] Cloud Sync	??
[HBS (Hybrid Backup Sync)] 2-way and Active Sync	??
[HBS (Hybrid Backup Sync)] Backup Deduplication	??
[HBS (Hybrid Backup Sync)] Apple Time Machine Backup	??
[HBS (Hybrid Backup Sync)] External drive backup	??
[HBS (Hybrid Backup Sync)] Maximum number of backup job	400
Hyper Data Protector	??
Boxafe	??

	Note: At least 4 GB RAM is required.
[Boxafe] Office 365 Backup	??
[Boxafe] Google Workspace Backup	??
[Boxafe] Full-text search	??
Qsirch	??

	Note: This feature is supported by all QNAP NAS devices with at least 2 GB of memory
[Qsirch] Previews	Photos, music, videos, PDFs, Gmail, and others
[Qsirch] Integrate Mac Finder	??
[Qsirch] Advanced picture search	??
[Qsirch] Search filters	??
QuMagie	??

	Note: At least 1 GB RAM is required.
[QuMagie] Browse photos	??

[QuMagie] Virtual and smart albums	??
[QuMagie] AI-assisted photo management	People, things, places, and others
Antivirus (free)	??
McAfee (License)	??
QVPN Service	??

Note: At least 1 GB RAM is required.

[QVPN Service] Remote Access	PPTP, L2TP/IPSec, OpenVPN, WireGuard, QBelt (QNAP proprietary)
[QVPN Service] Supported utility and mobile app	Windows, macOS, iOS, and Android
[QVPN Service] Supported maximum clients	100
LDAP Server	??
RADIUS	??
SQL server	??
License Center	??
Multimedia Console	??
Photo Station	??
Music Station	??
Video Station	??
Download Station	??
Notes Station	??
Qfiling	??
Media Streaming add-on	??
QmailAgent	??
QuWAN	??
DA Driver Analyzer	??
Q'center	??

Note: The application is available in the App Center and in virtual appliance marketplaces (VMware vSphere ESXi and Microsoft Hyper-V).

Q'center Server	??
Q'center Agent	??
Connect to Q'center	??
Virtualization Station	??

Note: At least 4 GB RAM is required.

[Virtualization Station] Supports Virtual machine instances	Windows, Linux, Unix, and Android
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[Virtualization Station] VM importing, exporting, cloning, snapshot capturing, backup, and restoration	All function is Fine.
[Virtualization Station] Virtual switches	Can create a virtual switch
[Virtualization Station] GPU pass-through	Not support GPU
[Virtualization Station] Suggested number of virtual machine instances	8
	The actual number of virtual machine instances may vary by the memory installed on NAS (e.g. 1 VM= 1 thread for 1 vCPU and 1GB memory). Please expend memory if needed.
Container Station	??
	Note: At least 1 GB RAM is required.
[Container Station] Supported type	LXC/LXD and Docker
	Note: LXD has been supported after Container Station 2.4
[Container Station] Docker Hub Registry	??
[Container Station] Container importing and exporting	??
[Container Station] Console mode	??
Linux Station	??
	Notification: At least 4 GB RAM is required.
[Linux Station] Supports Ubuntu versions	18.04, and 20.04
Linux Station Center	??
QVR Pro	??
	Note: At least 4 GB RAM is required. The maximum number of channels supported varies by NAS model, network configuration, and camera settings. For more information, visit <a href="https://www.qnap.com/go/qvr-nas-selector">https://www.qnap.com/go/qvr-nas-selector</a> .
[QVR Pro] Recording Technique	Index database based
[QVR Pro] License Type	Perpetual
[QVR Pro] User-defined trigger events	??
[QVR Pro] Metadata	??

[QVR Pro] QVR Pro Client (Desktop)	Windows, macOS, and QNAP HybridDesk Station
[QVR Pro] QVR Pro Client (Mobile)	Android and iOS
[QVR Pro] Recording camera streams	H.264
[QVR Pro] Free built-in camera channels	8
QVR Elite	??

Note: At least 1 GB RAM is required. The maximum number of channels supported varies by NAS model, network configuration, and camera settings. For more information, visit <https://www.qnap.com/go/qvr-nas-selector>.

[QVR Elite] Recording Technique	Standard MP4 file based
[QVR Elite] License Type	Subscription-based
[QVR Elite] User-defined trigger events	??
[QVR Elite] QVR Pro Client (Desktop)	Windows, macOS, and QNAP HybridDesk Station
[QVR Elite] QVR Pro Client (Mobile)	Android and iOS
[QVR Elite] Recording camera streams	H.264
[QVR Elite] Free built-in camera channels	2
QVR Pro Client	??
[QVR Pro Client] Dynamic View Layout	??
[QVR Pro Client] Windows	??
[QVR Pro Client] Mac	??
[QVR Pro Client] HybridDesktop	??
[QVR Pro Client] iOS	??
[QVR Pro Client] Android	??
QVR Center	??

Note: At least 4 GB RAM is required.

[QVR Center] Log management	??
[QVR Center] Central monitoring across multiple servers	??
QVR Guard	??

Note: At least 4 GB RAM is required.

[QVR Guard] Failover design	??
[QVR Guard] Viewing task details	??
[QVR Guard] Automatic switch between Standby and Takeover modes	??

QVR Face

??

The maximum number of channels supported varies by NAS model, network configuration, and camera settings. For more information,

visit <https://www.qnap.com/solution/qvr-face/en-us/>

QVR DoorAccess

??

## Specification

NAS	
CPU Model	AMD Ryzen™ Embedded V1500B 4-core/8-thread 2.2 GHz processor
CPU Architecture	64-bit x86
Hardware Encryption Engine	?? (AES-NI)
Memory	8 GB SODIMM DDR4 (1 x 8 GB)
Drive Bays	8
Compatible Drive Type	3.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot Swappable Drive	??
System Fan	System fan: 2 x 120mm CPU fan: 1 x 60mm
Power Supply Unit / Adapter	250W, 100-240V AC, 50-60Hz, 3.5A
Total Memory Slots	2 x SODIMM DDR4 Support ECC memory
Maximum Memory Capacity	64 GB (2 x 32 GB)
M.2 Drive Slots	2 x M.2 2280 PCIe Gen3 x1 slots
PCIe Expansion	2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4
Form Factor (RU)	Tower
Graphic Processors	Optional via a PCIe adapter
Floating Point Unit	??
Hardware-accelerated Transcoding	Optional via a PCIe adapter
Flash Memory	5GB (Dual boot OS protection)
SSD Cache Acceleration Support	??
Wake on LAN (WOL)	??
Jumbo Frame	??
USB 3.2 Gen 2 (10Gbps) Port	3 x Type-A USB 3.2 Gen 2 10Gbps 1 x Type-C USB 3.2 Gen 1 5Gbps

HDMI™ Output	Optional via a PCIe adapter
LED Indicators	Status/Power, USB, LAN, Drive 1-8, M.2 SSD 1-2
Buttons	Power, Reset, USB Auto Copy
Operating Temperature	0 - 40 °C (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Consumption: Disk Standby Mode	25.668
System Warning	Buzzer
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	2000
Kensington Security Slot	??

## Product Gallery



