QNAP TS-673A

Artikel	127283
Herstellernummer	TS-673A-8G
EAN	4713213518830
QNAP	

High performance AMD Ryzen™ processor
The TS-673A 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-673A 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.

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 operating systems for optimal data integrity and reliability
The TS-673A 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.

Obtain performance benefits from M.2 SSD caching
The TS-673A 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-673A 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-673A features two PCIe Gen 3 x4 slots that allows for various expansion cards for expanding application potential.

Easy and Secure File Management
File Station allows direct management of files stored on the TS-673A 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-673A. 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-673A 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-673A, 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.

High-speed 2.5GbE VM Backup Solution
With Hyper Data Protector, the TS-673A 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-673A 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-673A 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.

Zusammenfassung

High performance AMD Ryzen™ processor
The TS-673A 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-673A 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.

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 operating systems for optimal data integrity and reliability
The TS-673A 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.

Obtain performance benefits from M.2 SSD caching
The TS-673A 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-673A 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-673A features two PCIe Gen 3 x4 slots that allows for various expansion cards for expanding application potential.

Easy and Secure File Management
File Station allows direct management of files stored on the TS-673A 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-673A. 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-673A 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-673A, 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.

High-speed 2.5GbE VM Backup Solution
With Hyper Data Protector, the TS-673A 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-673A 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-673A 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.

QNAP TS-673A, NAS, Tower, AMD Ryzen, V1500B, Black

QNAP TS-673A. Supported storage drive types: HDD & SSD, Storage drive interface: M.2, Serial ATA II, Serial ATA III, Supported storage drive interfaces: M.2, Serial ATA II, Serial ATA III. Processor family: AMD Ryzen, Processor manufacturer: AMD, Processor model: V1500B. Internal memory: 8 GB, Internal memory type: DDR4, Maximum RAM supported: 64 GB. Ethernet LAN data rates: 100,1000,2500,5000 Mbit/s. Chassis type: Tower, Cooling type: Active, Product colour: Black

Merkmale

Logistics data

Harmonized System (HS) code	84714100

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 70 °C

Weight & dimensions

Width	264.3 mm
Depth	280.8 mm
Height	188.2 mm
Weight	5.78 kg

Ports & interfaces

USB port	Y
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Ethernet LAN (RJ-45) ports	2
Concurrent connections	2000

Power

Power supply location	Built-in
Power supply unit (PSU) capacity	250 W
Number of power supply units	1
Power consumption (typical)	45.898 W
Power consumption (sleep)	21.891 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz

Processor

Processor manufacturer	AMD
Processor family	AMD Ryzen
Processor model	V1500B
Processor frequency	2.2 GHz
Processor cores	4
Processor threads	8
Number of processors supported	1

Software

Operating system installed	QNAP Turbo System
Operating system version	5.0.0
Windows operating systems supported	Windows 10, Windows 11, Windows 7, Windows 8
Linux operating systems supported	CentOS 7.0, Ubuntu 14.04
Mac operating systems supported	Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3

Memory

Internal memory type	DDR4
Maximum RAM supported	64 GB
Memory slots	2
Internal memory	8 GB
Memory form factor	SO-DIMM
ECC	Y
Flash memory	5000 MB

Network

Ethernet LAN	Y
Ethernet LAN data rates	100,1000,2500,5000 Mbit/s
DHCP server	Y
Jumbo frames support	Y
iSCSI support	Y
Wake-on-LAN ready	Y
Dynamic DNS (DDNS)	Y

	Catalina, Mac OS X 10.2 Jaguar, Mac OS X 10.3 Panther, Mac OS X 10.4 Tiger, Mac OS X 10.5 Leopard, Mac OS X 10.6 Snow Leopard, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks, Mac OS X 11.0 Big Sur
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Other operating systems supported	Solaris 10

Design

Chassis type	Tower
Cooling type	Active
Product colour	Black
Housing material	Metal
Number of fans	3 fan(s)
Fan diameter	6 cm
Fan diameter 2	9.2 cm
LED indicators	HDD, LAN, Power, SSD, Status, USB
Cable lock slot	Y
Cable lock slot type	Kensington

Storage

Storage drive interface	M.2, Serial ATA II, Serial ATA III
Supported storage drive interfaces	M.2, Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5,M.2
Number of system drives installed	1
System drive capacity	5 GB
Number of M.2 (M & B) slots	2
RAID support	Y
RAID levels	0, 1, 5, 6, 10, 50, JBOD
RAID rebuild	Y
Hot-swap drive bays	Y
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4
Storage drives installed	N
Number of storage drives supported	8
Installed storage drive type	N
Supported storage drive types	HDD & SSD

Performance

Type	NAS
Device class	Small & Medium Business
Backup function	Y
Backup features	Cloud, iSCSI LUN
Buzzer	Y
Noise level	20.3 dB
Snapshot	Y
Security algorithms	256-bit AES, FIPS 140-2, SSH, SSL/TLS
Access Control List (ACL)	Y

Reset button	Y
On/off switch	Y
Built-in FTP server	Y
Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Hot spare	Y
Password authentication	Y
S.M.A.R.T. support	Y
Remotely operated	Y