

TS-453E



Brand: QNAP

Product Code: TS-453E

Availability: 5

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Price: 40,400.00EGP

Short Description

Dual 2.5GbE, 8GB RAM, and long-term availability

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features

The TS-453E features 2.5GbE connectivity, 8GB RAM, and M.2 slots for NVMe SSD caching to deliver high performance for applications such as surveillance systems, virtual machines, file servers or backup servers. Dual HDMI™ outputs also provide direct multimedia playback and robust surveillance monitoring. QNAP will provide long-term availability and support for the TS-453E, providing a great choice for businesses requiring matching NAS models deployed in multiple locations.

The TS-453E uses the QTS operating system by default. You will be able to switch to using the QuTS hero operating system. QuTS hero provides benefits such as ZFS data integrity and WORM technology to prevent data tampering. (Switching to QuTS hero is supported starting from QTS 5.2.1.)



- **Dual 2.5GbE ports**

2.5 times faster network speed with existing CAT5e cables; supports port trunking to deliver up to 5Gbps.

- **Dual M.2 2280 PCIe slots**

Attain greater NAS performance by installing M.2 2280 NVMe PCIe SSDs (sold separately) or Edge TPU.

- **8GB RAM onboard**

System performance and multitasking is optimized with 8GB RAM.

- **Long-term model**

The TS-453E will be available and supported by QNAP for an extended period, up to 2029.

- **Dual HDMI™ output**

The dual-screen extension can be used for surveillance or 4K high-resolution video playback.

- **Expand storage capacity**

Supports USB expansion enclosures (see the compatibility list).

Intel quad-core processor burst up to 2.6 GHz with AES-NI encryption

- **Processor**

Intel® Celeron® J6412 quad-core processor (burst up to 2.6GHz)

- **RAM**

Onboard 8 GB (Since January 2024)

- **Encryption**

The Intel® AES-NI encryption engine boosts encryption performance while maintaining the confidentiality of NAS data.

- **USB ports**

- 2 x USB 3.2 Gen2
- 2 x USB 2.0

Long-term availability

The TS-453E is powered by an Intel® Celeron® J6412 processor and will be available and supported for an extended period. This long-term availability makes the TS-453E an ideal choice for MSP, SI, and other IT-related businesses requiring matching NAS models for long-term projects.

24/7 surveillance solution for stores and branch offices

The TS-453E is a one-stop surveillance solution for centrally recording/managing multiple cameras and surveillance servers based in your offices, stores, and other working spaces.

-  **Retail**
-  **Public transport facilities**
-  **Offices**

Record/monitor your environment

QVR Elite is QNAP's subscription-based smart surveillance solution, allowing you to easily build a surveillance system with lower TCO and higher scalability. Recordings are saved as MP4 files, allowing playback on nearly every device. QVR Elite also integrates QNAP AI-based solutions to build smart facial recognition for retail and door access systems with QNAP NAS. You can arrange a dedicated, independent storage space for surveillance data on the TS-453E and enjoy simplified camera management, storage space allocation, camera live viewing and playback.

Learn More: [QVR Elite smart surveillance system](#)

Centrally manage up to 32 surveillance servers

If your business requires simultaneously managing multiple recording servers, then install QVR Center on the TS-453E. With QVR Center you can manage up to 32 surveillance servers and 10,000+ cameras with an easy-to-use interface.

Learn More: [QVR Center](#)

Learn More: [QVR Center](#)

Faster image identification with integrated Intel® OpenVINO™ AI engine.

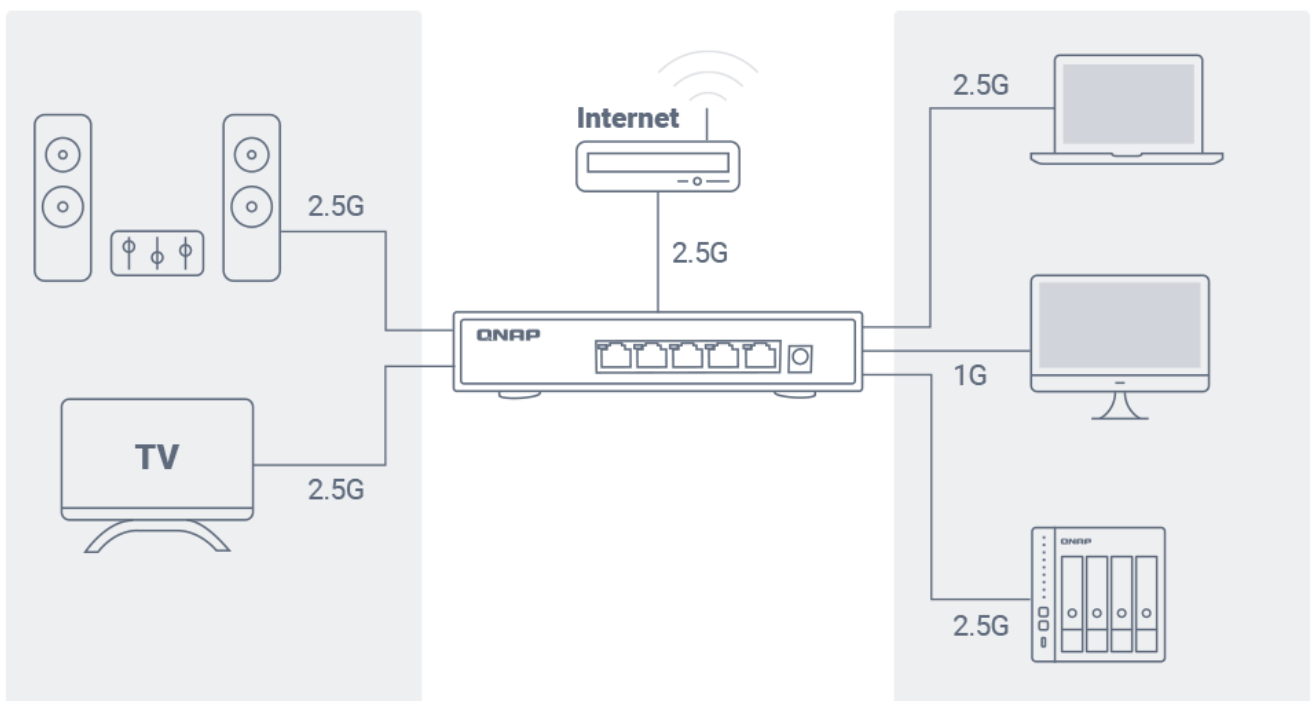
With integrated Intel® OpenVINO™ AI computing resources, the TS-453E accelerates AI image recognition performance without impacting other applications or services. QNAP AI Core primarily works with the [QuMagie](#) application.



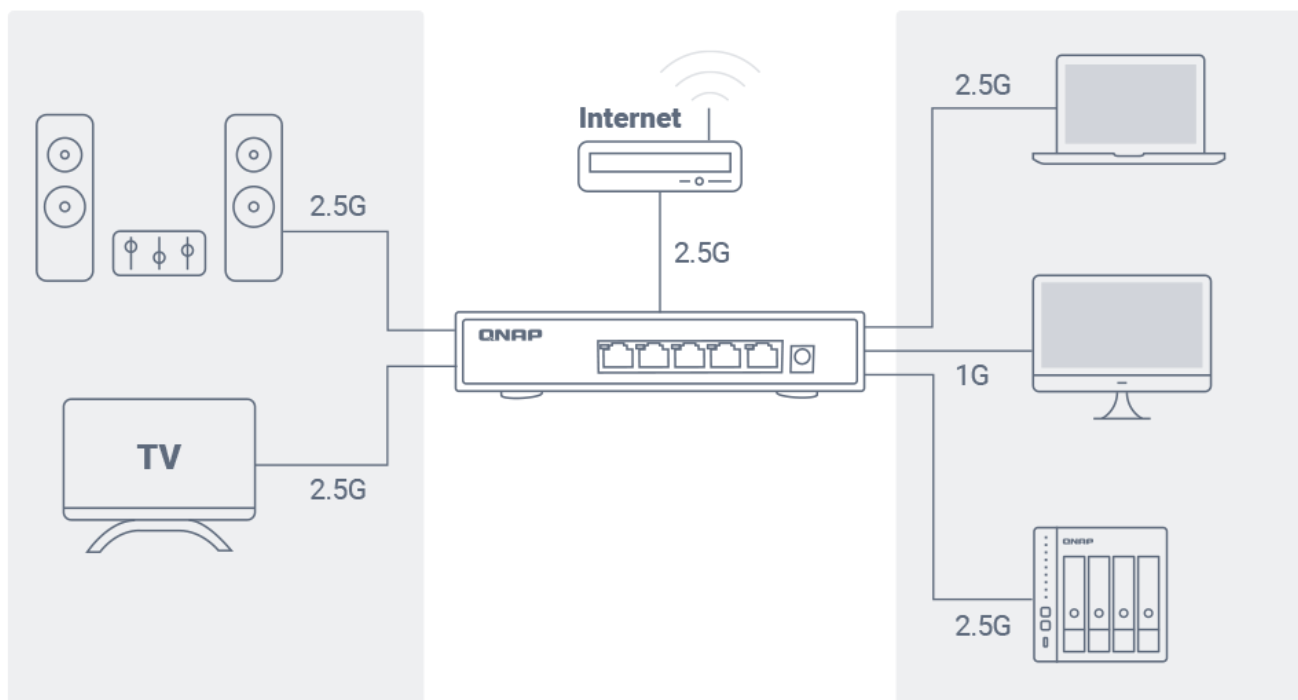
Transform your network with a wallet-friendly 2.5GbE switch

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.

Learn More: [2.5GbE Solution](#), [QSW series Switches](#)



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Dual 4K HDMI™ outputs for surveillance monitoring or multimedia display

The TS-453E supports hardware decoding and real-time transcoding*. The dual HDMI™ outputs support up to 4K (3840 x 2160p) @30Hz, providing great benefits for applications like surveillance, video production/editing, industrial design and professional photography that demand on-image resolution and color realism as well as intensive media storage, transfer and display.

*Note: The TS-453E's hardware provides H.264 hardware decoding, encoding and transcoding capabilities. However, playback quality may vary due to factors including playback software, file formats, system usage, and available bandwidth.

Comprehensive backup and disaster recovery solution

The TS-453E supports various apps that cover all your backup needs. Practice safe IT habits by regularly backing up files and device content, allowing them to be easily

restored when needed.

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PC/Laptop backup

For Windows®, install NetBak Replicator to back up your PC to QNAP NAS. In macOS®, just set up the built-in Time Machine® to secure your data.

Learn More: [NetBak Replicator](#)

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Remote backup for NAS

Hybrid Backup Sync makes it easy to back up data from a TS-453E to another QNAP NAS or remote server to fulfill your 3-2-1 backup strategy.

Learn More: [Hybrid Backup Sync](#)

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VM backup

Enjoy license-free VMware® and Hyper-V VM backup with source-side incremental backup, global deduplication, and recovery compression.

Learn More: [Hyper Data Protector](#)

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SaaS backup

Safeguard enterprise cloud data by backing up/syncing files, emails, calendars, and contacts from Google™ Workspace and Microsoft® Office 365® to the NAS.

Learn More: [Boxafe](#)

Note: Minimum memory requirements are 2 GB available and 4 GB installed.

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Cloud backup for NAS

Use Hybrid Backup Sync to back up NAS data to myQNAPcloud Storage or other mainstream cloud space. For backup to object cloud storage, VJBOD Cloud is especially useful to reduce bandwidth usage and backup time.

Learn More: [Hybrid Backup Sync](#), [QNAP-hosted myQNAPcloud Storage](#), [VJBOD Cloud](#)

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QuDedup technology

Hybrid Backup Sync eliminates redundant data at the source and then backs up the deduplicated data, helping to save time and storage costs while providing efficient multi-version backups.

Learn More: [QuDedup technology](#)

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WordPress backup

Enjoy efficient WordPress backup/restore and site migration by leveraging the user-friendly Multi-Application Recovery Service (MARS), and easily batch backup WordPress files and database to the TS-453E with backup scheduling.

Learn More: [WordPress backup solution](#)

Multi-version snapshots mitigate ransomware threats

The TS-453E supports block-based snapshots that record the state of the system at any time. It helps protect data, which can be restored back to a specific point of time, greatly helping in mitigating the threat of ransomware.

- **Volume and LUN snapshots**

Take snapshots in seconds and revert the entire volume/LUN back to a specific point in time to prevent loss of important data.

[Learn More](#)

- **Instantly restore snapshots**

Snapshot content can be quickly restored to a local NAS, or restored on a folder/file basis to a local/remote NAS or cloud storage. You can also conveniently view and restore snapshots from the client side.

- **Back up snapshots**

Multiply data protection by backing up snapshot files! Replicate volume/LUN snapshots in the TS-453E to a remote NAS (Snapshot Replica) by copying only the changes made. This helps save time & bandwidth, and can be run manually or on a scheduled basis.

hardware specs

TS-453E-8G

CPU

CPU Architecture

Graphic Processors

Floating Point Unit

Encryption Engine

Hardware-accelerated Transcoding

System Memory

Maximum Memory

Memory Slot

Flash Memory

Drive Bay

Drive Compatibility

Hot-swappable

M.2 Slot

SSD Cache Acceleration Support

2.5 Gigabit Ethernet Port (2.5G/1G/100M)

Wake on LAN (WOL)

Jumbo Frame

USB 2.0 port

USB 3.2 Gen 2 (10Gbps) Port

HDMI™ Output

Form Factor

LED Indicators

Buttons

Dimensions (HxWxD)

Weight (Net)

Weight (Gross)

Operating Temperature

Storage Temperature

Relative Humidity

Power Supply Unit

Power Consumption: Disk Standby Mode

Power Consumption: Operating Mode, Typical

Fan

System Warning

Kensington Security Slot

Standard Warranty

Max. Number of Concurrent Connections (CIFS) - with Max. Memory

Product Gallery

