

# QNAP

## Your Data. Always Intact. Always Fast.

Powered by 12th Gen Intel® Core™, PCIe Gen 4, and ZFS — the storage infrastructure your business can grow into.



TVS-h674



### Core Advantages

Desktop-Grade Computing Power	Powered by 12th Gen Intel® Core™ i5/i3 processors (up to 4.4 GHz) and supports up to 64GB DDR4 memory, delivering exceptional multi-tasking performance.
Enterprise-Grade ZFS File System	Runs on the ZFS-based QuTS hero OS, ensuring data integrity. Features powerful inline data deduplication, real-time compression, and near-limitless snapshots for maximum storage efficiency.
Next-Gen PCIe Gen 4 Expandability	Equipped with dual PCIe Gen 4 slots, delivering double the bandwidth of Gen 3. Highly flexible for 10GbE/25GbE network cards, QM2 expansion cards, or entry-level graphics cards.
Built-in M.2 SSD Slots & 2.5GbE	Features onboard dual M.2 NVMe PCIe Gen 4 slots for SSD caching (without occupying PCIe slots) and dual 2.5GbE ports, significantly boosting random IOPS and base network speeds.
Robust Virtualization Platform	With immense computing power and high memory capacity, the TVS-h674 seamlessly hosts multiple virtual machines (VMs) and Docker containers on a single device.
Direct HDMI™ Output & AI Acceleration	Integrated with Intel® OpenVINO™ for hardware-accelerated AI image recognition. Features an HDMI port for direct Full HD video playback and real-time transcoding.

### Best Video Surveillance NAS Storage

#### As a Certified Storage Platform for VMS

QNAP NAS is the ideal high-performance storage backend for Nx Witness™ and Milestone XProtect®. With support for SMB, NFS, FTP and iSCSI, it ensures seamless integration with your existing VMS servers. As a certified storage solution, the QNAP NAS provides the massive throughput and reliability required to record and archive high-resolution 4K streams.

#### ZFS-Powered Data Integrity & High Availability

Protect your critical surveillance footage with the enterprise-grade ZFS file system. The TVS-h674 features Self-healing to detect and repair silent data corruption automatically. It supports High Availability (HA), allowing a dual-NAS architecture to ensure continuous recording even if one unit fails, providing a backup fortress for your 24/7 security operations.

### Key Specifications

TVS-h674			
CPU	Intel® Core™ i5-12400 6-core/12-thread Processor, burst up to 4.4 GHz	Memory	32 GB SODIMM DDR4, expandable to 64 GB (2× SODIMM slots)
Graphic Processors	Intel® UHD Graphics 730	USB	1× Type-C USB 3.2 Gen 2 10Gbps + 2× Type-A USB 3.2 Gen 2 10Gbps
Drive Bay	6 × 3.5-inch SATA 6Gb/s, 3Gb/s	LAN	2× 2.5GbE RJ-45 (2.5G/1G/100M)
HDMI™ Output	1× HDMI™ 1.4b (up to 4096 × 2160 @ 30Hz)	Encryption Engine	AES-NI 256-bit hardware-accelerated
M.2 Slot	2 × M.2 2280 PCIe Gen 4 x4 slots	PCIe Slot	1× PCIe Gen 4 x16 + 1× PCIe Gen 4 x4
Operating Temperature	0 – 40 °C (32°F – 104°F)	Dimensions (H×W×D)	180.2 × 264.3 × 279.6 mm

Explore Key Spec



# A Leading Computing, Networking, and Storage Solution Innovator

For over 20 years, QNAP has been a leading NAS storage vendor in the industry. Driven by the mission to deliver trusted solutions across every layer of data protection, QNAP goes beyond storage to integrate networking, surveillance, cloud, and security. Through responsible product development, QNAP has proved itself as a comprehensive infrastructure solution provider that organizations can rely on.



## NAS

An award-winning, versatile NAS lineup powered by QuTS hero / QTS operating system, featuring comprehensive security to safeguard your most critical data.



## Networking Switch

Comprehensive 2.5GbE to 100GbE solutions from the edge to the core. Empower your infrastructure with ultra-fast speeds, robust reliability, and simplified network management.



## Surveillance System

Intelligent, stand-alone surveillance with 8,000+ camera compatibility. Scalable storage ensures long-term archiving and regulatory compliance for mission-critical video.

## Solutions



### Edge AI Storage Server

Lower the barrier to private AI. A high-performance engine for on-premises LLM, RAG, and Agentic workflows. Transform sensitive data into secure insights with predictable costs and no cloud-dependency.



### Support All Workloads

Host diverse workloads including backup, file services (file, object, and block), and virtualization storage for VMware® and Hyper-V®. Run VMs or containers directly on-device and build hybrid cloud environments with support for 20+ cloud providers.



### Mission-Critical Applications

Ensure business continuity with High-Availability (HA) support across NAS, switches, and VMs, providing a resilient foundation for your most vital operations.



### Ransomware-Resilience

Comprehensive cyber security and data safety featuring data immutability, Air-gap backup, SD-WAN, and NDR technology to protect your digital assets from evolving threats.

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