

QNAP

STORAGE BUILT FOR WHERE OTHERS WON'T SURVIVE

TS-i410X

Wide Temperature
& Fanless 10GbE Industrial NAS



Key Spec Information

Core System	
CPU	Intel® Atom® x6425E 4-core/4-thread processor, burst up to 3.0 GHz * Long-term availability up to 2029
iGPU	Intel® UHD Graphics
Memory	8 GB on board (non-expandable)
Drive Bays	4 x 2.5-inch SATA 6Gb/s, 3Gb/s
Encryption Engine	AES-NI hardware encryption
I/O Connectivity	
Network	2 x 10GBASE-T (10G/5G/2.5G/1G)
USB	4 x USB 3.2 Gen 2 (10Gbps)
HDMI™ Output	1 x HDMI™ 1.4b (Up to 3840 x 2160 @ 30Hz)
Rugged Design	
Operating Temp.	-40°C ~ 70°C (-40°F ~ 158°F)
Power Supply Unit	1. External Power Adapter, 90W and above, AC 100-240V 2. 9-36V DC input
Dimensions (HxWxD)	62 × 180 × 244 mm

QTS & QuTS hero (ZFS)

Dual OS support — ZFS-based end-to-end data integrity, WORM tamper protection, and inline deduplication

PC-less Operation

Run a VM or container on the TS-i410X, connect an HDMI monitor and a USB mouse, and use it just like a PC

Snapshot-based Ransomware Protection

Block-level snapshots for instant rollback to any point in time

License-free Backup

Centralize your field data effortlessly. Transfer files to headquarters or the cloud, while keeping your edge VMs fully protected

BUILT FOR THE FIELD

FACTORY / SMART MANUFACTURING

Operates at up to 70°C with zero active cooling — no fans, no filters, no failure points. Dual 10GbE ports keep production data flowing to MES systems and edge servers at full speed, even in dusty, high-vibration environments

TRANSPORTATION / LOGISTICS

The 9V-36V wide-range DC input adapts to vehicle and depot power systems without extra conversion hardware. Cold-start at -40°C ensures reliable operation from freezing warehouses to long-haul fleets — backed by up to a 5-year warranty.

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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