

QNAP TS-I410X NAS Tower Intel Atom® x6425E 8 GB 0 TB QNAP QTS Black

Model: TS-I410X-8G

Manufacturer: QNAP

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Product Code: 1070688

R35,257

TS-i410X

Wide temperature & fanless 10GbE industrial NAS for harsh environments. Long-term availability.

With a fanless design and rock-solid chassis, the TS-i410X industrial grade NAS is designed for harsh environments. The TS-i410X can operate in temperatures of -40 ~ 70 Celsius (-40°F ~ 158°F) while its 9V ~ 36V DC wide-range power supply is ideal for factories, warehouses, transportation, and other rugged operating environments.

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Quad cores up to 3.0 GHz with AES-NI accelerated encryption

The TS-i410X is powered by Intel® Atom® x6425E quad-core processor (burst up to 3.0 GHz) and equipped with 8 GB dual-channel memory. With hardware-accelerated AES-NI encryption, the TS-i410X also provides unmatched encryption performance while ensuring the safety of sensitive business data stored in the NAS. The TS-i410X has four 2.5-inch SATA 6Gb/s SSD slots for allocating SSDs (industrial SSDs are recommended) to greatly boost IOPS to meet the performance requirements of demanding applications.

Long-term availability

The TS-i410X will be available and supported for an extended period, making it an ideal choice for MSP, SI, and other IT-related businesses and commercial use requiring matching NAS models for long-term projects.

Industrial-grade hardened hardware design with 9V ~ 36V DC wide-range power supply

With a fanless design and rock-solid chassis and compliant with the military-grade MIL-STD-810H the TS-i410X can operate in -40 ~ 70 Celsius (-40°F ~ 158°F) environments. It can be used as a set-top box, or used with the optional VESA 75 wall-mount to provide installation flexibility. With the 9V ~ 36V DC wide-range power supply, the TS-i410X is suitable for industrial and transportation applications with a variety of input voltage requirements.

Use with industrial wide temperature SSDs

When using industrial wide temperature SSDs, adjust the disk warning setting to 85°C (185°F) in the Storage & Snapshots to match the upper limit of SSD operating temperature. (The default temperature is 70°C for SSDs)

Build a high-speed 10GbE network environment

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The TS-i410X provides two 10GBASE-T (10G/5G/2.5G/1G) ports. With QNAP’s comprehensive, budget-friendly storage and networking solutions you can easily and flexibly upgrade workplace or home networks to handle bandwidth-hungry applications.

A fast 10GbE NAS

A QNAP NAS featuring one or more 10GbE ports, and Port Trunking allows you to combine multiple ports for greater bandwidth potential.

Upgrade computers and servers

Servers and desktops can install PCIe QNAP network cards that support 10G/5G/2.5G/1G/100M Multi-Gig.

Add a 10GbE port to laptops

Laptops can use QNAP’s portable Thunderbolt™ to 10GbE adapter to upgrade to 10GbE via Thunderbolt™ 3.

A 10GbE switch

QNAP’s 10GbE Multi-Gigabit switches support 10G/5G/2.5G/1G/100M and allow connecting multiple workstations and devices. The industrial-grade full 10GbE switch QSW-IM1200-8C is recommended for high-speed network deployment in rugged industrial environments.

Paired with an industrial-grade 10GbE switch

Boost your entire network performance with 10GbE! QNAP’s QSW-IM1200-8C industrial-grade full 10GbE switch is a perfect match for the TS-i410X to accelerate high-speed and reliable network deployment in the rugged environments. The QSW-IM1200-8C switch features a robust industrial-grade hardware design, provides Layer 2 management functions with a user-friendly interface, and comes with redundant DC power for reliable operations, fulfilling bandwidth-demanding tasks for the variable industrial network environments.

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Multiple USB ports for UPS, and more

With four USB 3.2 Gen 2 (10Gbps) ports, you can quickly backup and transfer large files to/from the TS-i410X. A wide range of USB devices, such as external hard drive or uninterruptible power supply (UPS), are also supported to provide greater functionality and application potential.

Direct 4K HDMI output for multimedia and virtual machines

The TS-i410X features Intel® UHD Graphics that supports hardware decoding and real-time transcoding*. The HDMI output supports up to 4K @30Hz, providing great benefits for applications like video production/editing or industrial design that demands high resolution as well as intensive media storage, transfer and display. By connecting the TS-i410X to an HDMI display, you can operate virtual machines from Virtualization Station or Linux Station, or directly watch multimedia content saved on the NAS.

Leverage the M.2 SSD to 2.5-inch SATA Adapter

Install one or more QDA-A2MAR adapter in the TS-i410X to maximize the storage utilization of available 2.5-inch drive bays by using M.2 SATA SSDs. It boosts storage efficiency by creating SSD volumes, tiered-storage environment with Qtier technology, or SSD caching. Users can monitor drive health and manage SSD usage from the QTS Storage & Snapshots Manager.

Smart surveillance solution for 24/7 security

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-i410X and enjoy simplified camera management, storage space allocation, camera live viewing and playback.

Free embedded channels
2 IP camera channels

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Total camera channels

Scalable with optional licenses

Subscription-based

Monthly US $1.99 /channel

Video format

MP4

Mobile app

QVR Pro Client and mobile app

Scalable storage

NAS expansion units

QTS 5, Fast, smooth, and easy-to-use!

The TS-i410X comes with the QTS 5 operating system as standard, providing a next-generation usage experience with an updated system kernel, optimized user interface, and advanced security features.

Brighter. Smoother. You'll like it.
When navigating QTS 5, you will notice a finer attention to detail for a superior browsing experience. Enjoy a smoother NAS experience, comfortable visual design, and find your favorite apps quicker.

Get started with the notice board

When performing first-time installation, the notice board guides you through the setup process. Simply follow the step-by-step instructions for a quick and easy setup.

Smooth and reactive user interface

Whether clicking buttons, switching between apps, expanding/collapsing windows – every action is much smoother. The search bar in the main menu also assists in quickly finding desired apps.

Comprehensive backup and disaster recovery solution

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The TS-i410X 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.

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.

Remote backup for NAS

Hybrid Backup Sync makes it easy to back up data from a TS-i410X to another QNAP NAS or remote server to fulfill your 3-2-1 backup strategy.

VM backup

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

Cloud backup for NAS

Hybrid Backup Sync supports mainstream cloud storage for NAS data backup. For backup to object cloud storage, VJBOD Cloud is especially useful to reduce bandwidth usage and backup time.

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.

Multi-version snapshots mitigate ransomware threats

The TS-i410X 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.

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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.

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-i410X 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.

The best file storage and collaboration center

The TS-i410X integrates rich apps for storing, managing, synchronizing, searching, and archiving files. It supports SMB/CIFS, AFP, and NFS protocols for streamlined file sharing across Windows®, Mac®, and Linux®/UNIX®, and provides the smartest NAS solution for professionally managing your files.

File Station

Manage, access, and share all the files in the TS-i410X and view snapshots files – all from your web browser. You can also easily mount remote NAS folders and cloud storage.

Qsync

Make any file uploaded to a TS-i410X available to linked devices, such as computers, laptops and mobile devices. You can sync shared folders and team folders for group file sharing to enhance the flexibility of team projects and collaboration.

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Qsirch

QNAP’s powerful, Google-like search tool helps you quickly find images, music, videos, documents, and emails by keywords, color, and more search conditions. It also supports Qfiling to perform one-time or automatic archival tasks based on your search criteria.

Qfiling

Automate your file organization – all you need to do is categorize files, set a schedule, and Qfiling will do the rest. Qfiling also enables smart recycling that instantly moves filtered files to the Recycle Bin.

Comprehensive security and privilege settings

The TS-i410X is loaded with flexible privilege settings and security measures. Besides IP blocking, 2-step verification, HTTPS connection, there are more apps that help ensure optimal NAS protection against threats like malware and hackers.

Simplified privilege settings

The TS-i410X supports comprehensive access right settings for shared folders, Azure Active Directory Domain Services (Azure AD DS), LDAP, and Windows ACL to help IT staff efficiently manage user accounts and access rights for multiple NAS systems.

QuFirewall protection

Supports IPv6, firewall access lists, and GeoIP filtering to restrict access based on geographical locations for higher NAS network security.

Superior security with QVPN

A virtual private network (VPN) allows secure access to network resources and services across public networks. QVPN supports creating a VPN client, using the TS-i410X as a VPN server, and WireGuard® VPN service with an easy-to-use interface for setting up a secure connection.

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Security Counselor

A security portal for the TS-i410X to check for weaknesses and offer recommendations for enhancing NAS security. It also integrates anti-virus and anti-malware scanning software.

All-in-one solution for hosting virtual machines and containers

By running multiple virtual machines and containers on the TS-i410X, you can deploy multi-tenant environments and applications to increase management efficiency and save hardware costs. Coupled with the Network & Virtual Switch app that boosts interoperability between virtual machines, containers, QNAP NAS, and other physical devices on the network, you can flexibly allocate physical and virtual network resources to simplify network deployment.

Virtualization Station

Run multiple Windows®, Linux®, UNIX®, Android™, and QuTScloud virtual machines and access them via a web browser or Virtual Network Computing (VNC). Businesses can run virtualized server applications on a single NAS without needing additional physical servers.

Conainer Station

Experience Docker®, LXD, and Kata Containers lightweight virtualization technologies, download apps from the built-in Docker Hub Registry®, import/export containers, and create abundant microservices.

Linux Station

Run Linux® applications (including apps from the Software Center) directly on the NAS and remotely access the Linux® desktop from a web browser. The open-source Linux® platform is also ideal for Internet of Things development.

Flexible and economical storage expansion

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QNAP provides easy ways to expand your storage capacity. Here are several ways to expand your TS-i410X storage as needed to accommodate data and business growth.

Attach QNAP expansion enclosures

Connect expansion enclosures to the TS-i410X, and manage NAS storage expansion with the user-friendly Storage & Snapshots Manager app.

Mount cloud storage or remote file servers

Mount cloud storage or remote file servers to expand the capacity of the TS-i410X while also centrally managing files on the NAS, cloud storage, and remote devices.

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