TVS-672X-i5-8G Datasheet

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Overview

Powered by an Intel® Core™ i5 processor, the high-performance TVS-672X NAS features built-in 10GbE connectivity for boosted virtualization performance and streamlined backup and application workflows from multiple workstations. The TVS-672X also supports M.2 NVMe SSDs for cache acceleration, PCIe expansion, multi-cloud backup, 4K HDMI 2.0 output and real-time transcoding, alongside expandable storage capacity and feature-rich apps to perform as a cost-efficient, reliable, and multifunctional NAS solution.

Quick Spec

Table 1 shows the quick spec.

Product Code	**TVS-672X-i5-8G**
CPU	Intel® Core™ i5-8400T 6-core/6-thread Processor, burst up to 3.3 GHz
CPU Architecture	64-bit x86
Graphic Processors	Intel® UHD Graphics 630
Floating Point Unit	√
Encryption Engine	√(AES-NI)
System Memory	8 GB SODIMM DDR4 (1 x 8 GB)
Memory Slot	2 x SO-DIMM DDR4
Maximum Memory	64GB (2 x 32 GB)
Drive Bay	6 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
HDMI Output	1, HDMI 2.0 (up to 3840 x 2160 @ 60Hz)

Product Details
TVS-672X-i5-8G provides these features and benefits:

STATUS

LAN

USB

TVS-672X
169.254.100.100

ENTER

SELECT

QNAP

TVS-x72X

HDMI

POWER

COPY

5-speed 10GBASE-T RJ45 connectivity accelerates virtualization, intensive file access, large backup/restoration tasks, and media transfer.

Dual M.2 PCIe Gen 3 x2 NVMe SSD slots enable cache acceleration or SSD storage pools for improved performance.

PCIe expansion allows for 2.5/5/10/25GbE network cards, QM2 card, QXP storage expansion cards, or graphics cards.

4K media playback and real-time transcoding; display multimedia content saved on the NAS via HDMI 2.0 (4K @60Hz) output.

Host multiple virtual machines and containers to run a wide range of applications and services.

A business-class backup center supporting backup/restore of cloud data and VMs (including Google™ Workspace, Microsoft 365®, VMware® and Hyper-V).

Intel® Core™ i3/i5 processor with up to 64 GB memory

The TVS-672X adopts an Intel® Core™ i3/i5 processor with dual-channel DDR4 memory (expandable to 64 GB) to tackle heavy multitasking workloads. AES-NI encryption support boosts encryption performance to secure NAS data without impacting overall system operations.

Windows File Transfer (1x 10GbE)

Windows Download

1155 MB/s

Windows Upload

1110 MB/s

Windows File Transfer with Encryption (1x 10GbE)
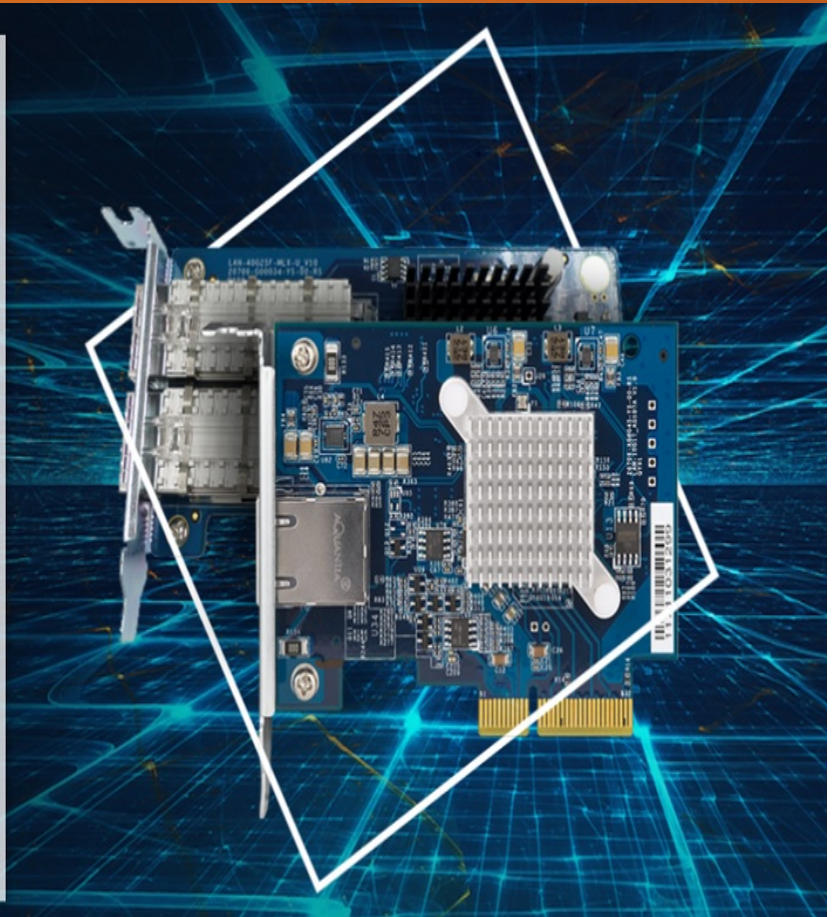
Windows Download

1065 MB/s

Windows Upload

816 MB/s

2.5/5/10/25GbE network card

Enable lightning-fast throughput for bandwidth-demanding tasks (virtualization, massive data transmission, fast backup/restore).

Direct 4K HDMI output for multimedia and virtual machines

The TVS-672X features Intel® UHD Graphics 630 that supports hardware decoding and real-time transcoding*. The HDMI 2.0 output supports up to 4K (3840 x 2160p) @60Hz, providing great benefits for applications like video production/editing or industrial design that demands high resolution and color realism as well as intensive media storage, transfer and display. By connecting the TVS-672X to an HDMI display, you can operate virtual machines from Virtualization Station or Ubuntu Linux Station, or directly watch multimedia content saved on the NAS. QNAP's HD Station also allows users to directly enjoy multimedia using HD Player or third-party players like Plex® Home Theater.

*The TVS-672X'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).

Build an affordable Fibre Channel SAN environment

Common Fibre Channel Storage Area Networks (SAN) devices are often costly. By installing QNAP dual-port 16Gb/32Gb Fibre Channel expansion cards in the TVS-672X, you have more budget-friendly options to add a NAS to a SAN environment. 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.

Flexible and economical storage expansion

The storage capacity of the TVS-672X can be expanded using USB-based expansion enclosures or connecting SATA 6Gb/s JBOD units with the PCIe-based QXP storage expansion cards. NAS storage expansion management is made easy with the user-friendly Storage & Snapshots Manager app.

Compare to Similar Items

Table 2 shows the comparison.

Product Code	TVS-672X-i5-8G	TVS-672X-i3-8G	TVS-675-8G
CPU	Intel® CoffeeLake Core™ i5-8400T 6-core 3.1 GHz Processor	Intel® Core™ i3-8100T 4-core/4-thread 3.1 GHz Processor	ZhaoXin KX-U6580 8-core 2.5GHz processor
CPU Architecture	64-bit x86	64-bit x86	64-bit x86
Graphic Processors	Intel® UHD Graphics 630	Intel® UHD Graphics 630	ZhaoXin C-960 Graphics
Floating Point Unit	√	√	√
System Memory	8 GB SODIMM DDR4 (1 x 8 GB)	8 GB SODIMM DDR4 (1 x 8 GB)	8 GB SODIMM DDR4 (1 x 8 GB)
Memory Slot	2 x SO-DIMM DDR4	2 x SO-DIMM DDR4	2 x SO-DIMM DDR4
Maximum Memory	64GB (2 x 32 GB)	64GB (2 x 32 GB)	64GB (2 x 32 GB)
Drive Bay	6 x 3.5-inch SATA 6Gb/s, 3Gb/s	6x3.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives

Get More Information

Do you have any question about the TS-672X-i5-8G?

Contact us now via **Live Chat** or **sales@router-switch.com**.

Specification

TVS-672X-i5-8G Specification

CUP	Intel® Core™ i5-8400T 6-core/6-thread Processor, burst up to 3.3 GHz
CPU Architecture	64-bit x86
Graphic Processors	Intel® UHD Graphics 630
Floating Point Unit	√
Encryption Engine	√(AES-NI)
Hardware-accelerated Transcoding	√
System Memory	8 GB SODIMM DDR4 (1 x 8 GB)
Maximum Memory	64GB (2 x 32 GB)
Memory Slot	2 x SO-DIMM DDR4
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	6 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	√
M.2 Slot	2 x M.2 2280 PCIe Gen3 x2 slots
SSD Cache Acceleration Support	√
Gigabit Ethernet Port (RJ45)	2
10 Gigabit Ethernet Port	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)
Wake on LAN (WOL)	√
Jumbo Frame	√
PCIe Slot	2 Slot 1: PCIe Gen 3 x16 (CPU) Slot 2: PCIe Gen 3 x4 (PCH)
USB 3.2 Gen 1 port	1
USB 3.2 Gen 2 (10Gbps) Port	2 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps
IR Sensor	√(QNAP RM-IR004 & MCE)
HDMI Output	1, HDMI 2.0 (up to 3840 x 2160 @ 60Hz)
Form Factor	Tower
LED Indicators	HDD 1-6, Status, LAN, USB port, M.2 port
LCD Display/ Button	√
Buttons	Power, Reset, USB Copy
Dimensions (HxWxD)	7.41 × 10.41 × 11.01 inch
Weight (Net)	14.45 lbs
Operating temperature	0 - 40 °C (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)

Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	250W, 100-24V
Power Consumption: HDD Sleep Mode	26.52 W
Power Consumption: Operating Mode, Typical	45.6 W
Fan	System fan: 1 x 120mm, 12VDC CPU fan: 2 x 60mm blower fan
Sound Level	23.8 db(A)
System Warning	Voice prompts or Buzzer
Kensington Security Slot	√
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	2500

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