



## QNAP TVS-672X-I3-8G/12TB-IW NAS/storage server Tower Intel® Core™ i3 i3-8100T 8 GB DDR4 HDD QNAP Turbo System Black

**Brand :** QNAP

**Product code:** TVS-672X-I3-8G/12TB-IW

**Product name :** TVS-672X-I3-8G/12TB-IW

- 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 i3-8100T (4x 3.1GHz), Intel UHD Graphics 630, 8GB DDR4, 5GB Flash, 6x 2.5"/3.5" SATA, 2x M.2, LAN, HDMI, USB, LCD



| Storage                              |                                      | Performance                          |                                                                   |
|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------------------------------------|
| Storage drive interface *            | Serial ATA II, Serial ATA III        | Device class *                       | Small & Medium Business                                           |
| Supported storage drive interfaces   | M.2, Serial ATA II, Serial ATA III   | Backup function *                    | ✓                                                                 |
| Storage drive sizes supported        | 2.5,3.5,M.2                          | Backup features                      | Cloud, USB drive, iSCSI LUN                                       |
| Number of M.2 (M & B) slots          | 2                                    | Buzzer                               | ✓                                                                 |
| RAID support *                       | ✓                                    | Multilingual support                 | ✓                                                                 |
| RAID levels                          | 0, 1, 5, 6, 10, 50, JBOD             | Number of users                      | 4096 user(s)                                                      |
| Online RAID migration                | ✓                                    | Noise level                          | 23.8 dB                                                           |
| Online RAID expansion                | ✓                                    | Third-party support                  | ✓                                                                 |
| RAID rebuild                         | ✓                                    | Snapshot                             | ✓                                                                 |
| Hot-swap drive bays                  | ✓                                    | Web-based management                 | ✓                                                                 |
| Supported file systems               | FAT32, HFS+, NTFS, exFAT, ext3, ext4 | Share folder access right management | ✓                                                                 |
| Storage drives installed *           | ✓                                    | Security algorithms                  | 256-bit AES, FIPS 140-2, HTTPS, SNMPv2, SNMPv3, SSH, SSL/TLS, TLS |
| Total installed storage capacity *   | 12 TB                                | Access Control List (ACL)            | ✓                                                                 |
| Number of storage drives installed * | 6                                    | Reset button                         | ✓                                                                 |
| Number of storage drives supported * | 6                                    | On/off switch                        | ✓                                                                 |
| Installed storage drive type *       | HDD                                  | Built-in BitTorrent client           | ✓                                                                 |
| Supported storage drive types *      | HDD & SSD                            | Built-in UPnP AV media server        | ✓                                                                 |
| Bad block scan                       | ✓                                    | Built-in FTP server                  | ✓                                                                 |
| Disk roaming                         | ✓                                    | Browser supported                    | Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari      |
| Processor                            |                                      | System log                           | ✓                                                                 |
| Processor manufacturer *             | Intel                                | Hot spare                            | ✓                                                                 |
| Processor generation                 | 8th gen Intel® Core™ i3              | Password authentication              | ✓                                                                 |
| Processor family *                   | Intel® Core™ i3                      | Disk scan                            | ✓                                                                 |
| Processor model *                    | i3-8100T                             | S.M.A.R.T. support                   | ✓                                                                 |
| Processor frequency *                | 3.1 GHz                              | Remotely operated                    | ✓                                                                 |
| Processor cores                      | 4                                    | USB copy function                    | ✓                                                                 |
| Processor threads                    | 4                                    | Software                             |                                                                   |
| Bus type                             | DMI3                                 | Operating system installed *         | QNAP Turbo System                                                 |
| Configurable TDP-down frequency      | 2.4 GHz                              | Operating system version             | 4.5.1                                                             |
| CPU configuration (max)              | 1                                    |                                      |                                                                   |
| Number of processors supported       | 1                                    |                                      |                                                                   |
| On-board graphics card model         | Intel® UHD Graphics 630              |                                      |                                                                   |

| Memory                                          |                                 | Software                                                |                                                                                                               |
|-------------------------------------------------|---------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Internal memory *                               | 8 GB                            | Windows operating systems supported                     | Windows 10, Windows 7, Windows 8                                                                              |
| Internal memory type                            | DDR4                            | Linux operating systems supported                       | ✓                                                                                                             |
| Maximum RAM supported                           | 64 GB                           | Mac operating systems supported                         | ✓                                                                                                             |
| Memory slots                                    | 2                               | Server operating systems supported                      | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| Memory form factor                              | SO-DIMM                         |                                                         |                                                                                                               |
| Flash memory                                    | 5000 MB                         |                                                         |                                                                                                               |
|                                                 |                                 |                                                         |                                                                                                               |
| Network                                         |                                 | Power                                                   |                                                                                                               |
| Ethernet LAN *                                  | ✓                               | Power supply location                                   | Built-in                                                                                                      |
| Ethernet LAN data rates                         | 100,1000,2500,5000,10000 Mbit/s | Power supply unit (PSU) capacity                        | 250 W                                                                                                         |
| Ethernet LAN data rate supported (max)          | 10000 Mbit/s                    | Number of power supply units                            | 1                                                                                                             |
| DHCP client                                     | ✓                               | Power consumption (typical)                             | 45.6 W                                                                                                        |
| DHCP server                                     | ✓                               | Power consumption (HDD standby)                         | 26.52 W                                                                                                       |
| Jumbo frames support                            | ✓                               | AC input voltage                                        | 100 - 240 V                                                                                                   |
| iSCSI support                                   | ✓                               | Fan voltage                                             | 12 V                                                                                                          |
| Wake-on-LAN ready                               | ✓                               | Weight & dimensions                                     |                                                                                                               |
| Link aggregation                                | ✓                               | Width *                                                 | 264.3 mm                                                                                                      |
| Load balancing system                           | ✓                               | Depth *                                                 | 279.6 mm                                                                                                      |
| Dynamic DNS (DDNS)                              | ✓                               | Height *                                                | 188.2 mm                                                                                                      |
| WLAN adapter supported                          | ✓                               | Packaging content                                       |                                                                                                               |
| Ports & interfaces                              |                                 | Cables included                                         | AC, LAN (RJ-45)                                                                                               |
| USB port *                                      | ✓                               | Power cables quantity                                   | 1                                                                                                             |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 1                               | Processor special features                              |                                                                                                               |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2                               | Embedded options available                              | ✓                                                                                                             |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 2                               | Enhanced Intel SpeedStep Technology                     | ✓                                                                                                             |
| HDMI ports quantity                             | 1                               | Execute Disable Bit                                     | ✓                                                                                                             |
| HDMI version                                    | 2.0                             | Idle States                                             | ✓                                                                                                             |
| Ethernet LAN (RJ-45) ports *                    | 3                               | Intel 64                                                | ✓                                                                                                             |
| PCI Express x4 (Gen 3.x) slots                  | 1                               | Intel Clear Video Technology                            | ✓                                                                                                             |
| Design                                          |                                 | Intel Enhanced Halt State                               | ✓                                                                                                             |
| Chassis type *                                  | Tower                           | Intel Identity Protection Technology version            | 1.00                                                                                                          |
| Cooling type *                                  | Active                          | Intel Secure Key Technology version                     | 1.00                                                                                                          |
| Product colour                                  | Black                           | Intel Stable Image Platform Program (SIPP)              | ✗                                                                                                             |
| Number of fans                                  | 3 fan(s)                        | Intel Stable Image Platform Program (SIPP) version      | 0.00                                                                                                          |
| Fan diameter                                    | 12 cm                           | Intel Trusted Execution Technology                      | ✗                                                                                                             |
| Fan diameter 2                                  | 6 cm                            | Intel TSX-NI                                            | ✗                                                                                                             |
| Drive bay locking                               | ✗                               | Intel TSX-NI version                                    | 0.00                                                                                                          |
| LED indicators                                  | ✓                               | Intel Virtualization Technology (VT-x)                  | ✓                                                                                                             |
| Built-in display                                | ✓                               | Intel Virtualization Technology for Directed I/O (VT-d) | ✓                                                                                                             |
| Display type                                    | LCD                             | Intel Virtualization Technology for Directed I/O (VT-d) | ✓                                                                                                             |
| Cable lock slot                                 | ✓                               | Intel VT-x with Extended Page Tables (EPT)              | ✓                                                                                                             |
| Cable lock slot type                            | Kensington                      | Operational conditions                                  |                                                                                                               |
| Performance                                     |                                 | Operating temperature (T-T)                             | 0 - 40 °C                                                                                                     |
| Type *                                          | NAS                             | Operating relative humidity (H-H)                       | 5 - 95%                                                                                                       |
|                                                 |                                 | Storage temperature (T-T)                               | -20 - 70 °C                                                                                                   |
|                                                 |                                 | Storage relative humidity (H-H)                         | 5 - 95%                                                                                                       |

## Catalog Object Cloud



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