



# QNAP TVS-672X-I3-8G/12TB-EXOS NAS/storage server Tower

## Ethernet LAN Black i3-8100T



**Brand :** QNAP

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



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

- 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
<b>Processor</b>		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	<b>Software</b>	
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	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Number of processors supported	1	Linux operating systems supported	✓
On-board graphics card model	Intel® UHD Graphics 630	Mac operating systems supported	✓
<b>Memory</b>		Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Internal memory type	DDR4		
Maximum RAM supported	64 GB		
Memory slots	2		
Internal memory *	8 GB		

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

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