

QNAP TVS-672X-I3-8G/12TB-EXOS 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-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
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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