



QNAP TVS-672XT NAS Tower Intel® Core™ i3 i3-8100T 8 GB DDR4 72 TB HDD QNAP Turbo System Black



Brand : QNAP

Product code: TVS-672XT-I3-8G/72TB-IWPRO

Product name : TVS-672XT

Intel Core i3-8100T 3.1 GHz, DDR4 SODIMM, 4 GB Flash, Intel UHD Graphics 630, 6 x 3.5" SATA, 2 x M.2, 1 x 10GBASE-T RJ45, 1 x USB 3.0, 2 x Type-C USB 3.1 Gen2, 2 x Type-A USB 3.1 Gen2, 1 x HDMI 2.0, 250W

QNAP TVS-672XT. Type: NAS. Chassis type: Tower. Device class: Home & Home Office. Processor family: Intel® Core™ i3, Processor model: i3-8100T, Processor frequency: 3.1 GHz. Internal memory: 8 GB, Internal memory type: DDR4. Total installed storage capacity: 72 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System

Storage		Design	
Supported storage drive interfaces	M.2, Serial ATA III	Fan diameter 2	6 cm
Storage drive sizes supported	2.5,3.5,M.2	LED indicators	HDD, LAN, Status, USB
Number of M.2 (M & B) slots	2	Built-in display	✓
RAID support *	✓	Cable lock slot	✓
RAID levels	0, 1, 5, 6, 10, 50, JBOD	Cable lock slot type	Kensington
Online RAID migration	✓	Built-in speaker(s)	✓
Online RAID expansion	✓	Number of built-in speakers	1
Hot-swap drive bays	✓	Performance	
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Type *	NAS
Storage drives installed *	✓	Device class *	Home & Home Office
Total installed storage capacity *	72 TB	Backup function *	✓
Number of storage drives supported *	6	Backup features	iSCSI LUN
Installed storage drive type *	HDD	Buzzer	✓
Supported storage drive types *	HDD & SSD	Multilingual support	✓
Auto-rebuild	✓	Noise level	23.8 dB
Bad block scan	✓	Snapshot	✓
Disk roaming	✓	Management protocols	SNMP 2/3
Processor		Web-based management	✓
Processor manufacturer *	Intel	Share folder access right management	✓
Processor generation	8th gen Intel® Core™ i3	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Processor family *	Intel® Core™ i3	Access Control List (ACL)	✓
Processor model *	i3-8100T	Reset button	✓
Processor frequency *	3.1 GHz	On/off switch	✓
Processor cores	4	Built-in iTunes server	✓
Processor threads	4	Built-in FTP server	✓
Processor cache	6 MB	Browser supported	Apple Safari 7, Google Chrome, Microsoft Internet Explorer 10, Mozilla Firefox
Bus type	DMI3	System log	✓
Configurable TDP-down frequency	2.4 GHz	Hot spare	✓
CPU configuration (max)	1	S.M.A.R.T. support	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Share folder	CIFS/SMB
PCI Express slots version	3.0	Universal Plug and Play (UPnP)	✓
Processor cache type	Smart Cache	Software	
Processor code	SR3Y8	Operating system installed *	QNAP Turbo System
Processor codename	Coffee Lake		
Processor lithography	14 nm		

Processor		Software	
Processor operating modes	64-bit	Operating system version	4.4.0
Processor package size	37.5 x 37.5 mm		Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 Pro, Windows 10 Pro x64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 7 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Processor socket	LGA 1151 (Socket H4)	Windows operating systems supported	
Scalability	1S		
Stepping	B0		
System bus rate	8 GT/s		
Tjunction	82 °C		
Thermal Design Power (TDP)	35 W		
On-board graphics card model	Intel® UHD Graphics 630		
Maximum internal memory supported by processor	64 GB		
Memory bandwidth supported by processor (max)	37.5 GB/s	Linux operating systems supported	✓
Memory		Mac operating systems supported	Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Internal memory *	8 GB	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Internal memory type	DDR4		
Maximum RAM supported	32 GB		
Memory slots	2		
Memory form factor	SO-DIMM		
Flash memory	4000 MB		
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000,1200,2500,5000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
Wi-Fi	✗		
DHCP client	✓		
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Supported network protocols	TCP/IP, IPv4, IPv6		
Link aggregation	✓		
Load balancing system	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓		
Ports & interfaces			
USB port *	✓		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2		
HDMI ports quantity	1		
HDMI version	2.0		
Ethernet LAN (RJ-45) ports *	3		
Thunderbolt 3 ports quantity	2		
3.5 mm (1/8-inch) out	✓		
Microphone in	✓		
PCI Express x4 (Gen 3.x) slots	1		
Graphics			
On-board graphics card base frequency	350 MHz		
On-board graphics card dynamic frequency (max)	1100 MHz		
On-board graphics card DirectX version	12.0		
On-board graphics card OpenGL version	4.5		
		Power	
		Power supply unit (PSU) capacity	250 W
		AC input voltage	100 - 240 V
		Weight & dimensions	
		Width *	264.3 mm
		Depth *	279.6 mm
		Height *	188.2 mm
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Quick installation guide	✓
		Processor special features	
		Embedded options available	✓
		Enhanced Intel SpeedStep Technology	✓
		Execute Disable Bit	✓
		Idle States	✓
		Intel 64	✓
		Intel Clear Video Technology	✓
		Intel Enhanced Halt State	✓
		Intel Identity Protection Technology version	1.00
		Intel Secure Key Technology version	1.00
		Intel Stable Image Platform Program (SIPP)	✗
		Intel Stable Image Platform Program (SIPP) version	0.00
		Intel Trusted Execution Technology	✗
		Intel TSX-NI	✗
		Intel TSX-NI version	0.00
		Intel Virtualization Technology (VT-x)	✓
		Intel Virtualization Technology for Directed I/O (VT-d)	✓

Graphics		Processor special features	
On-board graphics card ID	0x3E91	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum on-board graphics card memory	64 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Number of displays supported (on-board graphics)	3	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Design		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Chassis type *	Tower	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Cooling type *	Active	Intel® Identity Protection Technology (Intel® IPT)	✓
Product colour	Black	Intel® InTru™ 3D Technology	✓
Number of fans	4 fan(s)	Intel® OS Guard	✓
Fan diameter	9.2 cm	Intel® Quick Sync Video Technology	✓
		Intel® Secure Key	✓
		Intel® Smart Cache	✓
		Intel® Turbo Boost Technology	✗
		Maximum number of PCI Express lanes	16
		Thermal Monitoring Technologies	✓
		Thermal solution specification	PCG 2015A
		Memory types supported by processor	DDR4-SDRAM
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Other features	
		Digital Living Network Alliance (DLNA) certified	✓
		Processor ARK ID	129944

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