



QNAP TVS-672XT NAS Tower Intel® Core™ i3 i3-8100T 8 GB DDR4 60 TB HDD QNAP Turbo System Black



Brand : QNAP

Product code: TVS-672XT-I3-8G/60TB-REDPRO

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: 60 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System

Storage		Design	
Supported storage drive interfaces	M.2, Serial ATA III	LED indicators	HDD, LAN, Status, USB
Storage drive sizes supported	2.5,3.5,M.2	Built-in display	✓
Number of M.2 (M & B) slots	2	Cable lock slot	✓
RAID support *	✓	Cable lock slot type	Kensington
RAID levels	0, 1, 5, 6, 10, 50, JBOD	Built-in speaker(s)	✓
Online RAID migration	✓	Number of built-in speakers	1
Online RAID expansion	✓	Performance	
Hot-swap drive bays	✓	Type *	NAS
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Device class *	Home & Home Office
Storage drives installed *	✓	Backup function *	✓
Total installed storage capacity *	60 TB	Backup features	iSCSI LUN
Number of storage drives supported *	6	Buzzer	✓
Installed storage drive type *	HDD	Multilingual support	✓
Supported storage drive types *	HDD & SSD	Noise level	23.8 dB
Auto-rebuild	✓	Snapshot	✓
Bad block scan	✓	Management protocols	SNMP 2/3
Disk roaming	✓	Web-based management	✓
Processor		Share folder access right management	✓
Processor manufacturer *	Intel	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Processor generation	8th gen Intel® Core™ i3	Access Control List (ACL)	✓
Processor family *	Intel® Core™ i3	Reset button	✓
Processor model *	i3-8100T	On/off switch	✓
Processor frequency *	3.1 GHz	Built-in iTunes server	✓
Processor cores	4	Built-in FTP server	✓
Processor threads	4	Browser supported	Apple Safari 7, Google Chrome, Microsoft Internet Explorer 10, Mozilla Firefox
Processor cache	6 MB	System log	✓
Bus type	DMI3	Hot spare	✓
Configurable TDP-down frequency	2.4 GHz	S.M.A.R.T. support	✓
CPU configuration (max)	1	Share folder	CIFS/SMB
ECC supported by processor	✓	Universal Plug and Play (UPnP)	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Software	
PCI Express slots version	3.0	Operating system installed *	QNAP Turbo System
Processor cache type	Smart Cache	Operating system version	4.4.0
Processor code	SR3Y8		
Processor codename	Coffee Lake		

Processor		Software	
Processor lithography	14 nm		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 operating modes	64-bit		
Processor package size	37.5 x 37.5 mm		
Processor socket	LGA 1151 (Socket H4)		
Scalability	1S		
Stepping	B0		
System bus rate	8 GT/s		
Tjunction	82 °C		
Thermal Design Power (TDP)	35 W	Windows operating systems supported	
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		
Memory			
Internal memory *	8 GB		
Internal memory type	DDR4		
Maximum RAM supported	32 GB	Linux operating systems supported	✓
Memory slots	2		
Memory form factor	SO-DIMM		
Flash memory	4000 MB	Mac operating systems supported	
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000,1200,2500,5000,10000 Mbit/s	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
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		
		Power	
		Power supply unit (PSU) capacity	250 W
		AC input voltage	100 - 240 V
		Fan voltage	12 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 OpenGL version	4.5	Intel VT-x with Extended Page Tables (EPT)	✓
On-board graphics card ID	0x3E91	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum on-board graphics card memory	64 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Number of displays supported (on-board graphics)	3	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Design		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Chassis type *	Tower	Intel® Identity Protection Technology (Intel® IPT)	✓
Cooling type *	Active	Intel® InTru™ 3D Technology	✓
Product colour	Black	Intel® OS Guard	✓
Number of fans	4 fan(s)	Intel® Quick Sync Video Technology	✓
Fan diameter	9.2 cm	Intel® Secure Key	✓
Fan diameter 2	6 cm	Intel® Smart Cache	✓
		Intel® Turbo Boost Technology	✗
		Maximum number of PCI Express lanes	16
		Thermal Monitoring Technologies	✓
		Thermal solution specification	PCG 2015A
		Memory channels supported by processor	Dual
		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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