



# QNAP TVS-872XT NAS Tower Ethernet LAN Black i5-8400T



Brand : QNAP

Product code: TVS-872XT-I5-16G/96TB-REDPLUS

Product name : TVS-872XT



- High-speed Thunderbolt™ 3 with SMB protocol, allowing Mac® and Windows® users to collaborate on media editing
  - 5-speed 10GBASE-T RJ45 connectivity accelerates virtualization applications and file sharing across teams and devices
  - PCIe expandability allows the use of an entry-level graphics card to accelerate NAS video processing and GPU computing
  - Install M.2 PCIe (Gen 3 x2, 2 GB/s) NVMe SSDs (sold separately) to set up caching or storage pools, improving file access efficiency
  - 4K media playback and real-time transcoding; directly view creative works on an HDTV via HDMI 2.0 (4K @60Hz) output
  - Snapshots fully record system status and data, allowing you to protect files and data from accidental deletion and malware attacks
- TVS-872XT, Intel Core i5-8400T 1.7 GHz, 16 GB DDR4, 8x 2.5/3.5" SATA III, 2x M.2, 1x 10G RJ-45, 2x 1G RJ-45, 2x PCIe, USB 3.0, 2x USB 3.1 C, 2x USB 3.1 A, HDMI 2.0, 2x 3.5mm, 188.2x329.3x279.6 mm

Storage		Design	
Storage drive capacity *	16 TB	LED indicators	HDD, LAN, USB
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Built-in display	✓
Storage drive sizes supported	2.5,3.5"	Display type	LCD
Number of system drives installed	1	Cable lock slot	✓
System drive capacity	5 GB	Cable lock slot type	Kensington
Number of M.2 (M & B) slots	2	Number of built-in speakers	1
RAID support *	✓	Performance	
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Type *	NAS
Online RAID migration	✓	Device class *	Small & Medium Business
Online RAID expansion	✓	Backup function *	✓
RAID rebuild	✓	Backup features	Cloud, iSCSI LUN
Hot-swap drive bays	✓	Buzzer	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Multilingual support	✓
Storage drives installed *	✓	Noise level	24.2 dB
Total installed storage capacity *	96 TB	Web-based management	✓
Number of storage drives installed *	8	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv3, SSH, SSL/TLS
Number of storage drives supported *	8	Access Control List (ACL)	✓
Installed storage drive type *	HDD	Reset button	✓
Supported storage drive types *	HDD & SSD	On/off switch	✓
Bad block scan	✓	Built-in iTunes server	✓
Processor		Built-in FTP server	✓
Processor manufacturer *	Intel	Browser supported	Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari
Processor generation	8th gen Intel® Core™ i5	System log	✓
Processor family *	Intel® Core™ i5	Hot spare	✓
Processor model *	i5-8400T	S.M.A.R.T. support	✓
Processor frequency *	1.7 GHz	Share folder	CIFS/SMB
Processor boost frequency	3.3 GHz	Remotely operated	✓
Processor cores	6	Universal Plug and Play (UPnP)	✓
Processor threads	6	USB copy function	✓
Processor cache	9 MB	Software	
Bus type	DMI3	Operating system installed *	QNAP Turbo System
Configurable TDP-down frequency	1.2 GHz	Operating system version	4.4.0
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		
Conflict-Free processor	✓		
Memory			
Internal memory type	DDR4		

Memory		Software	
Maximum RAM supported	64 GB	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
Memory slots	2		
Internal memory *	16 GB		
Flash memory	5000 MB		
Network		Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Ethernet LAN *	✓		
Ethernet LAN data rates	100,1000,2500,5000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s	Power	
DHCP client	✓	Power supply location	Built-in
DHCP server	✓	Power supply unit (PSU) capacity	250 W
Jumbo frames support	✓	Number of power supply units	1
iSCSI support	✓	Power consumption (typical)	65.03 W
Wake-on-LAN ready	✓	AC input voltage	100 - 240 V
Supported network protocols	TCP/IP, IPv4, IPv6	Fan voltage	12 V
Dynamic DNS (DDNS)	✓	Weight & dimensions	
WLAN adapter supported	✓	Width *	329.3 mm
Ports & interfaces		Depth *	279.6 mm
USB port *	✓	Height *	188.2 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1	Packaging content	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Cables included	AC, LAN (RJ-45)
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Processor special features	
HDMI ports quantity	1	Embedded options available	✗
HDMI version	2.0	Enhanced Intel SpeedStep Technology	✓
Ethernet LAN (RJ-45) ports *	3	Execute Disable Bit	✓
Thunderbolt 3 ports quantity	2	Idle States	✓
3.5 mm (1/8-inch) out	✓	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	4 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	✗
		Intel TSX-NI version	0.00
		Intel Virtualization Technology (VT-x)	✓
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
		Intel VT-x with Extended Page Tables (EPT)	✓
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C

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