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

Brand : QNAP   **Product code:** TVS-872XT-I5-16G/16TB-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

Storage drive capacity *	2 TB
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
Number of system drives installed	1
System drive capacity	5 GB
Number of M.2 (M & B) slots	2
RAID support *	✔
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	✔
Online RAID expansion	✔
RAID rebuild	✔
Hot-swap drive bays	✔
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4
Storage drives installed *	✔
Total installed storage capacity *	16 TB
Number of storage drives installed *	8
Number of storage drives supported *	8
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✔

Processor

Processor manufacturer *	Intel
Processor generation	8th gen Intel® Core™ i5
Processor family *	Intel® Core™ i5
Processor model *	i5-8400T
Processor frequency *	1.7 GHz
Processor boost frequency	3.3 GHz
Processor cores	6
Processor threads	6
Processor cache	9 MB
Bus type	DMI3
Configurable TDP-down frequency	1.2 GHz
CPU configuration (max)	1
Number of processors supported	1
On-board graphics card model	Intel® UHD Graphics 630
Conflict-Free processor	✔

Memory

Internal memory type	DDR4

Design

LED indicators	HDD, LAN, USB
Built-in display	✔
Display type	LCD
Cable lock slot	✔
Cable lock slot type	Kensington
Number of built-in speakers	1

Performance

Type *	NAS
Device class *	Small & Medium Business
Backup function *	✔
Backup features	Cloud, iSCSI LUN
Buzzer	✔
Multilingual support	✔
Noise level	24.2 dB
Web-based management	✔
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv3, SSH, SSL/TLS
Access Control List (ACL)	✔
Reset button	✔
On/off switch	✔
Built-in iTunes server	✔
Built-in FTP server	✔
Browser supported	Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari
System log	✔
Hot spare	✔
S.M.A.R.T. support	✔
Share folder	CIFS/SMB
Remotely operated	✔
Universal Plug and Play (UPnP)	✔
USB copy function	✔

Software

Operating system installed *	QNAP Turbo System
Operating system version	4.4.0
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✔

Memory

Maximum RAM supported	64 GB
Memory slots	2
Internal memory *	16 GB
Flash memory	5000 MB

Network

Ethernet LAN *	✔
Ethernet LAN data rates	100,1000,2500,5000,10000 Mbit/s
Ethernet LAN data rate supported (max)	10000 Mbit/s
DHCP client	✔
DHCP server	✔
Jumbo frames support	✔
iSCSI support	✔
Wake-on-LAN ready	✔
Supported network protocols	TCP/IP, IPv4, IPv6
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	✔
PCI Express x4 (Gen 3.x) slots	1

Design

Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	4 fan(s)
Fan diameter	12 cm
Fan diameter 2	6 cm

Software

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
Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016

Power

Power supply location	Built-in
Power supply unit (PSU) capacity	250 W
Number of power supply units	1
Power consumption (typical)	65.03 W
AC input voltage	100 - 240 V
Fan voltage	12 V

Weight & dimensions

Width *	329.3 mm
Depth *	279.6 mm
Height *	188.2 mm

Packaging content

Cables included	AC, LAN (RJ-45)

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)	✔
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