



QNAP TVS-872XT-i5-16G 48TB (Seagate Exos) 8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor(max 3.3 Tower Ethernet LAN Black



Brand : QNAP

Product code: TVS-872XT-I5-16G/48TB-EXOS

Product name : TVS-872XT-i5-16G 48TB (Seagate Exos)
8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor(max 3.3

- 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
- Intel Core i5-8400T 1.7 GHz, 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		Performance	
Supported storage drive interfaces	Serial ATA III	Device class *	Small & Medium Business
Storage drive sizes supported	2.5,3.5"	Backup function *	✓
Number of M.2 (M & B) slots	2	Backup features	Cloud, iSCSI LUN
RAID support *	✓	Buzzer	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Multilingual support	✓
Online RAID migration	✓	Web-based management	✓
Online RAID expansion	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv3, SSH, SSL/TLS
RAID rebuild	✓	Access Control List (ACL)	✓
Hot-swap drive bays	✓	Reset button	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	On/off switch	✓
Storage drives installed *	✓	Built-in iTunes server	✓
Number of storage drives supported *	8	Built-in FTP server	✓
Installed storage drive type *	HDD	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Supported storage drive types *	HDD & SSD	System log	✓
Bad block scan	✓	Hot spare	✓
Processor		S.M.A.R.T. support	✓
Processor frequency *	1.7 GHz	Share folder	CIFS/SMB
Processor boost frequency	3.3 GHz	Universal Plug and Play (UPnP)	✓
Processor cache	9 MB	USB copy function	✓
Bus type	DMI3	Software	
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
ECC supported by processor	✗	Linux operating systems supported	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	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
PCI Express slots version	3.0	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Processor cache type	Smart Cache		
Processor code	SR3X6		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor package size	37.5 x 37.5 mm		
Scalability	1S		
Stepping	U0		
System bus rate	8 GT/s		
Tjunction	100 °C		

Processor		Power	
Thermal Design Power (TDP)	35 W	Power supply location	Built-in
Maximum internal memory supported by processor	64 GB	Power supply unit (PSU) capacity	250 W
Memory bandwidth supported by processor (max)	41.6 GB/s	Number of power supply units	1
Conflict-Free processor	✓	AC input voltage	100 - 240 V
Memory		Fan voltage	12 V
Internal memory type	DDR4	Weight & dimensions	
Maximum RAM supported	32 GB	Width *	329.3 mm
Memory slots	2	Depth *	279.6 mm
Internal memory *	16 GB	Height *	188.2 mm
Flash memory	4000 MB	Weight	7.06 kg
Network		Packaging content	
Ethernet LAN *	✓	Cables included	AC, LAN (RJ-45)
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Quick installation guide	✓
Ethernet LAN data rate supported (max)	10000 Mbit/s	Processor special features	
Wi-Fi	✗	Embedded options available	✗
DHCP client	✓	Enhanced Intel SpeedStep Technology	✓
DHCP server	✓	Execute Disable Bit	✓
Jumbo frames support	✓	Idle States	✓
iSCSI support	✓	Intel 64	✓
Wake-on-LAN ready	✓	Intel Clear Video Technology	✓
Supported network protocols	TCP/IP, IPv4, IPv6	Intel Enhanced Halt State	✓
Dynamic DNS (DDNS)	✓	Intel Identity Protection Technology version	1.00
WLAN adapter supported	✓	Intel Secure Key Technology version	1.00
Ports & interfaces		Intel Stable Image Platform Program (SIPP)	✗
USB port *	✓	Intel Trusted Execution Technology	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1	Intel TSX-NI	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Intel TSX-NI version	0.00
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Intel Virtualization Technology (VT-x)	✓
HDMI ports quantity	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Ethernet LAN (RJ-45) ports *	3	Intel VT-x with Extended Page Tables (EPT)	✓
Thunderbolt 3 ports quantity	2	Intel® AES New Instructions (Intel® AES-NI)	✓
3.5 mm (1/8-inch) out	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
PCI Express x4 (Gen 3.x) slots	1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Microphone in	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Graphics		Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card base frequency	350 MHz	Intel® InTru™ 3D Technology	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Intel® OS Guard	✓
On-board graphics card ID	0x3E92	Intel® Quick Sync Video Technology	✓
Maximum on-board graphics card memory	64 GB	Intel® Secure Key	✓
Number of displays supported (on-board graphics)	3	Intel® Turbo Boost Technology	2.0
Design		Maximum number of PCI Express lanes	16
Chassis type *	Tower	Thermal Monitoring Technologies	✓
Cooling type *	Active	Thermal solution specification	PCG 2015A
Product colour	Black	Memory channels supported by processor	Dual
Number of fans	4 fan(s)	Memory types supported by processor	DDR4-SDRAM
Fan diameter	12 cm	Operational conditions	
Fan diameter 2	6 cm	Operating temperature (T-T)	0 - 40 °C
LED indicators	HDD, LAN, USB		
Built-in display	✓		
Cable lock slot	✓		
Cable lock slot type	Kensington		

Design		Operational conditions	
Built-in speaker(s)	✓	Operating relative humidity (H-H)	5 - 95%
Number of built-in speakers	1	Logistics data	
Performance		Harmonized System (HS) code	84714100
Type *	NAS	Other features	
		Digital Living Network Alliance (DLNA) certified	✓

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