

QNAP TVS-872XT-i5-16G 80TB (Seagate Ironwolf Pro) 8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor Tower 16 GB DDR4 HDD Black



Brand : QNAP

Product code: TVS-872XT-I5-16G/80TB-IWPRO

Product name : TVS-872XT-i5-16G 80TB (Seagate Ironwolf Pro) 8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor

- 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	Type *	NAS
Storage drive sizes supported	2.5,3.5"	Device class *	Small & Medium Business
Number of M.2 (M & B) slots	2	Backup function *	✓
RAID support *	✓	Backup features	Cloud, iSCSI LUN
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Buzzer	✓
Online RAID migration	✓	Multilingual support	✓
Online RAID expansion	✓	Web-based management	✓
RAID rebuild	✓	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMPv3, SSH, SSL/TLS
Hot-swap drive bays	✓	Access Control List (ACL)	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Reset button	✓
Storage drives installed *	✓	On/off switch	✓
Number of storage drives supported *	8	Built-in iTunes server	✓
Installed storage drive type *	HDD	Built-in FTP server	✓
Supported storage drive types *	HDD & SSD	Browser supported	Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox
Bad block scan	✓	System log	✓
Processor		Hot spare	✓
Processor frequency *	1.7 GHz	S.M.A.R.T. support	✓
Processor boost frequency	3.3 GHz	Share folder	CIFS/SMB
Processor cache	9 MB	Universal Plug and Play (UPnP)	✓
Bus type	DMI3	USB copy function	✓
Configurable TDP-down frequency	1.2 GHz	Software	
CPU configuration (max)	1	Operating system version	4.4.0
ECC supported by processor	✗	Windows operating systems supported	Windows 10, Windows 7, Windows 8
PCI Express configurations	1x16, 1x8+2x4, 2x8	Linux operating systems supported	✓
PCI Express slots version	3.0		
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		

Processor		Software	
Stepping	U0	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
System bus rate	8 GT/s		
Tjunction	100 °C		
Thermal Design Power (TDP)	35 W		
Maximum internal memory supported by processor	64 GB	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Memory bandwidth supported by processor (max)	41.6 GB/s		
Conflict-Free processor	✓		
Memory		Power	
Internal memory *	16 GB	Power supply location	Built-in
Internal memory type	DDR4	Power supply unit (PSU) capacity	250 W
Maximum RAM supported	32 GB	Number of power supply units	1
Memory slots	2	AC input voltage	100 - 240 V
Flash memory	4000 MB	Fan voltage	12 V
Network		Weight & dimensions	
Ethernet LAN *	✓	Width *	329.3 mm
Ethernet LAN data rates	10,100,1000,10000 Mbit/s	Depth *	279.6 mm
Ethernet LAN data rate supported (max)	10000 Mbit/s	Height *	188.2 mm
Wi-Fi	✗	Weight	7.06 kg
DHCP client	✓	Packaging content	
DHCP server	✓	Cables included	AC, LAN (RJ-45)
Jumbo frames support	✓	Quick installation guide	✓
iSCSI support	✓	Processor special features	
Wake-on-LAN ready	✓	Embedded options available	✗
Supported network protocols	TCP/IP, IPv4, IPv6	Enhanced Intel SpeedStep Technology	✓
Dynamic DNS (DDNS)	✓	Execute Disable Bit	✓
WLAN adapter supported	✓	Idle States	✓
Ports & interfaces		Intel 64	✓
USB port *	✓	Intel Clear Video Technology	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1	Intel Enhanced Halt State	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Intel Identity Protection Technology version	1.00
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Intel Secure Key Technology version	1.00
HDMI ports quantity	1	Intel Stable Image Platform Program (SIPP)	✗
Thunderbolt 3 ports quantity	2	Intel Trusted Execution Technology	✗
Ethernet LAN (RJ-45) ports *	3	Intel TSX-NI	✗
3.5 mm (1/8-inch) out	✓	Intel TSX-NI version	0.00
Microphone in	✓	Intel Virtualization Technology (VT-x)	✓
PCI Express x4 (Gen 3.x) slots	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel VT-x with Extended Page Tables (EPT)	✓
On-board graphics card base frequency	350 MHz	Intel® AES New Instructions (Intel® AES-NI)	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
On-board graphics card ID	0x3E92	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum on-board graphics card memory	64 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Number of displays supported (on-board graphics)	3	Intel® Identity Protection Technology (Intel® IPT)	✓
Design		Intel® InTru™ 3D Technology	✓
Chassis type *	Tower	Intel® OS Guard	✓
Cooling type *	Active	Intel® Quick Sync Video Technology	✓
Product colour	Black	Intel® Secure Key	✓
Number of fans	4 fan(s)		
Fan diameter	12 cm		

Design		Processor special features	
Fan diameter 2	6 cm	Intel® Turbo Boost Technology	2.0
LED indicators	HDD, LAN, USB	Maximum number of PCI Express lanes	16
Built-in display	✓	Thermal Monitoring Technologies	✓
Cable lock slot	✓	Thermal solution specification	PCG 2015A
Cable lock slot type	Kensington	Memory channels supported by processor	Dual
Built-in speaker(s)	✓	Memory types supported by processor	DDR4-SDRAM
Number of built-in speakers	1	Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Other features	
		Digital Living Network Alliance (DLNA) certified	✓

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