



# QNAP TVS-872XT-i5-16G 64TB (Seagate Ironwolf Pro) 8-Bay NAS; Intel core i5-8400T 6-core 1.7 GHz Processor Tower Ethernet LAN Black



**Brand :** QNAP

**Product code:** TVS-872XT-I5-16G/64TB-IWPRO

**Product name :** TVS-872XT-i5-16G 64TB (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	✓
<b>Processor</b>		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	<b>Software</b>	
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	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
Processor cache type	Smart Cache	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
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		

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

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