



QNAP TVS-472XT-I3-4G/56TB-EXOS NAS/storage server Tower Ethernet LAN Black i3-8100T



Brand : QNAP

Product code: TVS-472XT-I3-4G/56TB-EXOS



Product name : TVS-472XT-I3-4G/56TB-EXOS

- 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 for graphics cards or 40GbE/ 25GbE/ 10GbE adapters to increase application performance
 - 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 i3-8100T, 4 GB DDR4, 4x 3.5", 2x M.2, RJ-45, Thunderbolt, PCIe, USB 3.2, HDMI, 188.2x199.3x279.6 mm

Storage		Design	
Storage drive interface *	Serial ATA II, Serial ATA III	Fan diameter 2	6 cm
Supported storage drive interfaces	Serial ATA II, Serial ATA III	LED indicators	HDD, LAN, Status, USB
Storage drive size	2.5/3.5"	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	Performance	
RAID support *	✓	Type *	NAS
RAID levels	0, 1, 5, 6, 10, JBOD	Device class *	Small & Medium Business
Online RAID migration	✓	Backup function *	✓
Online RAID expansion	✓	Backup features	Cloud, iSCSI LUN
RAID rebuild	✓	Buzzer	✓
Hot-swap drive bays	✓	Multilingual support	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	Noise level	21.2 dB
Storage drives installed *	✓	Security algorithms	256-bit AES, HTTPS, SSL/TLS
Total installed storage capacity *	56 TB	Access Control List (ACL)	✓
Number of storage drives installed *	4	Reset button	✓
Number of storage drives supported *	4	On/off switch	✓
Installed storage drive type *	HDD	Built-in FTP server	✓
Supported storage drive types *	HDD & SSD	Browser supported	Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari
Processor		System log	✓
Processor manufacturer *	Intel	Hot spare	✓
Processor generation	8th gen Intel® Core™ i3	S.M.A.R.T. support	✓
Processor family *	Intel® Core™ i3	Share folder	CIFS/SMB
Processor model *	i3-8100T	USB copy function	✓
Processor frequency *	3.1 GHz	Software	
Processor cores	4	Operating system installed *	QNAP Turbo System
Processor threads	4	Operating system version	4.4.0
Processor cache	6 MB	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Bus type	DMI3	Linux operating systems supported	✓
Configurable TDP-down frequency	2.4 GHz		
CPU configuration (max)	1		
Number of processors supported	1		
On-board graphics card model	Intel® UHD Graphics 630		
Memory			
Internal memory type	DDR4		
Maximum RAM supported	64 GB		

Memory		Software		
Memory slots	2	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 10.15 Catalina, Mac OS X 10.15.3 Catalina, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks, Mac OS X 11.0 Big Sur	
Internal memory *	4 GB		Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Memory form factor	SO-DIMM			
Flash memory	5000 MB			
Network		Power		
Ethernet LAN *	✓	Power supply location	Built-in	
Ethernet LAN data rates	10,100,1000,2500,5000,10000 Mbit/s	Power supply unit (PSU) capacity	250 W	
Ethernet LAN data rate supported (max)	10000 Mbit/s	Number of power supply units	1	
DHCP client	✓	Power consumption (typical)	37.32 W	
DHCP server	✓	Power consumption (sleep)	24.14 W	
Jumbo frames support	✓	AC input voltage	100-240 V	
iSCSI support	✓	Fan voltage	12 V	
Wake-on-LAN ready	✓	Weight & dimensions		
Link aggregation	✓	Width *	199.3 mm	
Load balancing system	✓	Depth *	279.6 mm	
Dynamic DNS (DDNS)	✓	Height *	188.2 mm	
WLAN adapter supported	✓	Weight	5.4 kg	
Ports & interfaces		Packaging content		
USB port *	✓	Cables included	AC, LAN (RJ-45)	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1	Power cables quantity	1	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2	Processor special features		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Embedded options available	✓	
HDMI ports quantity	1	Enhanced Intel SpeedStep Technology	✓	
HDMI version	2.0	Execute Disable Bit	✓	
Ethernet LAN (RJ-45) ports *	3	Idle States	✓	
Thunderbolt 3 ports quantity	2	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	3 fan(s)	Intel Stable Image Platform Program (SIPP) version	0.00	
Fan diameter	12 cm	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	

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