QNAP TVS-472XT-I3-4G/24TB-GOLD NAS/storage server Tower Ethernet LAN Black i3-8100T

Brand : QNAP **Product code:** TVS-472XT-I3-4G/24TB-GOLD

Product name : TVS-472XT-I3-4G/24TB-GOLD

- 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, 188.2×199.3×279.6 mm

Storage	
Storage drive interface *	Serial ATA II, Serial ATA III
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive size	2.5/3.5"
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, 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 *	24 TB
Number of storage drives installed *	4
Number of storage drives supported *	4
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD

Processor	
Processor manufacturer *	Intel
Processor generation	8th gen Intel® Core™ i3
Processor family *	Intel® Core™ i3
Processor model *	i3-8100T
Processor frequency *	3.1 GHz
Processor cores	4
Processor threads	4
Processor cache	6 MB
Bus type	DMI3
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

Design	
Fan diameter 2	6 cm
LED indicators	HDD, LAN, Status, USB
Built-in display	✓
Display type	LCD
Cable lock slot	✓
Cable lock slot type	Kensington

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Buzzer	✓
Multilingual support	✓
Noise level	21.2 dB
Security algorithms	256-bit AES, HTTPS, SSL/TLS
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
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
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	
Memory slots	2
Internal memory *	4 GB
Memory form factor	SO-DIMM
Flash memory	5000 MB

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000,2500,5000,10000 Mbit/s
Ethernet LAN data rate supported (max)	10000 Mbit/s
DHCP client	✓
DHCP server	✓
Jumbo frames support	✓
iSCSI support	✓
Wake-on-LAN ready	✓
Link aggregation	✓
Load balancing system	✓
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
PCI Express x4 (Gen 3.x) slots	1

Design	
Chassis type *	Tower
Cooling type *	Active
Product colour	Black
Number of fans	3 fan(s)
Fan diameter	12 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 10.15 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
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)	37.32 W
Power consumption (sleep)	24.14 W
AC input voltage	100-240 V
Fan voltage	12 V

Weight & dimensions	
Width *	199.3 mm
Depth *	279.6 mm
Height *	188.2 mm
Weight	5.4 kg

Packaging content	
Cables included	AC, LAN (RJ-45)
Power cables quantity	1

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

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