QNAP TVS-872XT 16GB 8-bay NAS

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Specifications

Form factor	Desktop
Bays	8-bay
Compatible storage media	6.4 cm (2.5") SATA 8.9 cm (3.5") SATA M.2 SSD
Capacity	Optional
HDDs (built-in / max.)	0 / 8
RAID levels	0 6 60 5 1 10 JBOD 50
Connectors	2 x Gigabit Ethernet 2 x Thunderbolt 3 (Type-C) 1 x 10 Gigabit Ethernet
Interface	USB 3.0 1 x 3.5 mm audio out 4 x USB 3.1 Type-A 1 x HDMI 1 x 3.5 mm audio in
Processor model	Intel Core i5-8400T, 1.7 GHz
RAM	16 GB
RAM type	DDR4
RAM modules (built in / max.)	2 / 2
RAM (max.)	32 GB
iSCSI	Yes
Active Directory client	Yes
Security	256-bit AES encryption Kensington standard slot
Special features	Hot-swap HDD bay
Features	Collaboration Backup storage Virtualisation Network-attached storage (NAS)
Power supply	Internal
Effective power (W)	250 W
Includes	2 x Ethernet cable Remote control Power cable RJ45 10 GbE cable
Dimensions (W x H x D)	330 x 188 x 280 mm
Weight	8.55 kg
Product type	NAS

Product details

QNAP's TVS-872XT-I5-16G desktop NAS is a secure, efficient storage solution for your data. This TVS-872XT-I5-16G NAS (network-attached storage) device, unlike normal external hard drives, can be directly integrated to your network. It also uses far less power than regular PCs and offers you sufficient space for all your data. It has It has an Intel Core i5-8400T 1.7 GHz processor. The high 16 GB RAM allows several users to simultaneously access its stored data. This model ensures that you won't need to worry about long loading times again. The following data storage forms are available for this desktop NAS system: 0, 6, 60, 5, 1, 10, JBOD and 50. When using JBOD (or "just a bunch of disks") you can combine several hard drives, regardless of their storage capacity, and retain all of the storage space. This is not the case with RAID levels.

RAID 0 stores your data on multiple drives, which increases performance and speed as all work is split among the various drives rather than handled by just one. The drives should ideally have equal storage capacities and a minimum of two drives are required. This RAID level offers no fault tolerance and is therefore best suited for large volumes of high speed storage. Using RAID 1 means you get high data security. This is achieved by mirroring, which simply means that your data is duplicated from one drive to another, so that if one fails, nothing is lost. This also means that the total storage capacity of your drives will be halved. RAID 1 is best suited for smaller NAS systems. When using RAID 5 your data is split among multiple drives and when one drive has an error the data is then copied and distributed to the other drives. This method offers you high data security and you can retain the total storage capacity of all your drives. It's the optimal choice for larger NAS systems with more than three hard drives. You get a higher level of data security when implementing RAID 6, even if two hard drives fail, the system will still be operational.

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