Hardware Specification

TVS-473e-8G

CPU	Processor: AMD R-Series RX-421BD quad-core 2.1 GHz processor, Turbo Core up to 3.4 GHz Architecture: 64-bit Graphics: Embedded Radeon™ R7 graphics processor Encryption Engine: AES-NI
System Memory	8 GB DDR4 (2 x 4 GB)
Maximum Memory	64 GB (4 x 16 GB)
Memory Slot	4 x SODIMM DDR4 (For dual- or quad-DIMM configurations, you must use a pair of identical DDR4 modules.)
Flash Memory	512MB DOM
Drive Bay	4 x SATA 6 Gbps
Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
M.2 SSD Slot	2 x M.2 2260/2280 SATA 6Gb/s SSDs Note: 1. The M.2 SSD is not included as standard. 2. M.2 SSD operations can easily generate excessive heat. It is recommended to install a heatsink (from ~~QNAP~~ or a third-party provider) on the M.2 SSD.
SSD Cache Acceleration Support	Drive bays 1 to 4 M.2 slots 1 to 2 Optional: SSD using PCIe expansion slot
Hot-swappable	Yes The following are not hot-swappable: M.2 SSDs, SSD cache drives, SSDs using PCIe expansion slots.
Gigabit Ethernet Port	4 x RJ45
USB QuickAccess Port	USB Micro-B
PCIe Slot	2 x PCIe 3.0 x4 Note: Support 10GbE LAN card, USB 3.1 Gen2 (10Gb/s) expansion card, QM2 card, or PCIe wireless network card.

USB Port	4 x USB 3.0 (Front: 1; Back: 3)
HDMI Output	2 x HDMI 1.4b (up to 3840 x 2160 resolution at 30 Hz)
Audio	2 x 3.5 mm dynamic microphone jacks 1 x 3.5 mm line-out jack 2 x speakers Note: You cannot use the speakers and the line-out jack simultaneously.
Display Panel	Monochrome backlit LCD display with Enter and Select buttons
USB One Touch Copy	Front: USB 3.0
IR sensor	QNAP RM-IR004 remote control (MCE compatible)
Form Factor	Tower
Dimensions (H x W x D)	188.2 x 199.3 x 279.6 mm 7.41 x 7.85 x 11.01 inch
Net Weight	4.9 kg (10.80 lbs)
Power Supply Unit	ATX 250W, 100-240V AC, 50/60Hz
Fan	System: 1 x 120 mm CPU: 1 x 60 mm
Operating Temperature & Relative Humidity	0 ~ 40˚C (32˚F ~ 104˚F), 5 ~ 95% RH non-condensing, wet bulb: 27˚C (80.6˚F)
Security Slot	Kensington security slot

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications. Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

* Sound Level Test Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.

Designs and specifications are subject to change without notice.