

TVS-h1277AX-R5-16G

CPU	AMD Ryzen™ 5 7000 series 6-core/12-thread processor, burst up to 5.1 GHz AMD Radeon Graphics
CPU Architecture	64-bit x86
Graphic Processors	AMD Radeon™ Graphics
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	16 GB UDIMM DDR5
Maximum Memory	192 GB (4 x 48 GB)
Memory Slot	4 x UDIMM DDR5 Support optional ECC memory For dual-DIMM configurations, you must use a pair of identical DDR5 modules.
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s + 4 x 2.5-inch U.2 NVMe Gen4 x2 slots
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA solid state drives 2.5-inch bays: 2.5-inch U.2 solid state drives U.2 NVMe SSDs are only compatible with PCIe Gen4 and PCIe Gen5 SSDs.
Hot-swappable	Yes To enable hot-swap functionality of U.2 SSDs after system startup, the U.2 SSD must be installed before powering on the system.
SSD Cache Acceleration Support	Yes

GPU pass-through	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)
25 Gigabit Ethernet Port	Optional via an adapter
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
PCIe Slot	3 Slot 1: Gen 4 x 8 or Gen 4 x 4* Slot 2: Gen 4 x 4 Slot 3: Gen 4 x 4 *Slot 1 provides the width of PCIe Gen4 x8 when Slot 2 is not in use, and provides the width of PCIe Gen4 x4 when Slot 2 is in use. Card dimensions for PCIe slot 1：268 x 112 x 40.64(dual slot) mm / 10.5 x 4.4 x 1.6 inches Card dimensions for PCIe slot 2：150 x 68.9 x 18.76 mm / 5.90 x 2.71 x 0.74 inches. Card dimensions for PCIe slot 3：150 x 68.9 x 18.76 mm / 5.90 x 2.71 x 0.74 inches. Wider cards can be installed if the next PCIe slot will not be used.
USB 2.0 port	2
USB 3.2 Gen 2 (10Gbps) Port	2 x Type-C USB 3.2 Gen 2 10Gbps
HDMI™ Output	1, HDMI™ 1.4b (up to 4096 x 2160 @ 30Hz)
Form Factor	Tower
LED Indicators	Power Status, HDD 1-8, U.2 SSD 1-4, Status, LAN, storage expansion port status
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	225.2 × 369.9 × 319.8 mm
Weight (Net)	10.98 kg
Weight (Gross)	12.12 kg
Operating Temperature	0 - 40 °C (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27˚C (80.6˚F)
Power Supply Unit	500W(x1), 100-240V 1 x 8 (6+2)-pin PCI-e cable
Power Consumption: Operating Mode, Typical	106.38 W Tested with drives fully populated.
Fan	System fan: 3 x 80mm, 12VDC CPU fan: 2 x 60 mm, 12V DC

System Warning	Buzzer
Standard Warranty	5

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 and refer to the hardware user manual to install compatible QNAP memory modules.
Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.
QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.
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