QNAP

TS-h1277AXU-RP-R7-32G

CPU	AMD Ryzen™ 7 7000 series 8-core/16-thread processor, burst up to 5.3 GHz AMD Radeon Graphics
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	32 GB UDIMM DDR5 (1x 32 GB)
Maximum Memory	192 GB (4 x 48 GB)
Memory Slot	4 x UDIMM DDR5 Support optional ECC memory
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	12 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes
M.2 Slot	2 x M.2 2280 PCIe Gen 5 x2 slots Compatible with NVMe SSD PCIe Gen 3 and above. Please refer to https://www.qnap.com/compatibility/ for compatibility.
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)
Wake on LAN (WOL)	Yes

Jumbo Frame	Yes
PCIe Slot	3 Slot 1: Gen 4 x 4 Slot 2: Gen 4 x 8 or Gen 4 x 4* Slot 3: Gen 4 x 4 *Slot 2 provides the width of PCIe Gen4 x8 when Slot 1 is not in use, and provides the width of PCIe Gen4 x4 when Slot 1 is in use.
USB 3.2 Gen 2 (10Gbps) Port	2 x Type-A USB 3.2 Gen 2 10Gbps
Form Factor	2U Rackmount
LED Indicators	Power Status, HDD 1-12, M.2 SSD 1-2, Status, LAN, storage expansion port status
Buttons	Power, Reset
Dimensions (HxWxD)	3.49 × 17.01 × 20.13 inch Excludes ear hook and the protruding part of the Power Supply Unit.
Weight (Net)	28.66 lbs
Weight (Gross)	41.89 lbs
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	550W(x2), 100-240V
Power Consumption: HDD Sleep Mode	82.247 W
Power Consumption: Operating Mode, Typical	367.65 W Tested with drives fully populated.
Fan	System fan: 3 x 60mm, 12VDC
System Warning	Buzzer
Standard Warranty	5
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	5000

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.