



## TS-h1277AXU-RP-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

Floating Point Unit Yes

Encryption Engine Yes (AES-NI)

Hardware-accelerated Transcoding Yes

System Memory 16 GB UDIMM DDR5 (1x 16 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<br>Slot 1: Gen 4 x 4<br>Slot 2: Gen 4 x 8 or Gen 4 x 4*<br>Slot 3: Gen 4 x 4<br><br>*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)                                              | 88.6 × 432 × 511.2 mm<br><br>Excludes ear hook and the protruding part of the Power Supply Unit.                                                                                                                          |
| Weight (Net)                                                    | 13 kg                                                                                                                                                                                                                     |
| Weight (Gross)                                                  | 19 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                                               | 550W(x2), 100-240V                                                                                                                                                                                                        |
| Power Consumption: HDD Sleep Mode                               | 82.247 W                                                                                                                                                                                                                  |
| Power Consumption: Operating Mode, Typical                      | 367.65 W<br><br>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.

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