



## TS-h1677AXU-RP-R7-32G

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|--|---|
| CPU                                      | AMD Ryzen™ 7 7000 series 8-core/16-thread processor, burst up to 5.3 GHz<br><br>AMD Radeon Graphics<br>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                           | 128 GB (4 x 32 GB)  |
| Memory Slot                              | 4 x UDIMM DDR5<br>Support optional ECC memory   |
| Flash Memory                             | 5GB (Dual boot OS protection)   |
| Drive Bay                                | 16 x 3.5-inch SATA 6Gb/s, 3Gb/s   |
| Drive Compatibility                      | 3.5-inch SATA hard disk drives<br>2.5-inch SATA solid state drives  |
| Hot-swappable                            | Yes   |
| M.2 Slot                                 | 2 x M.2 2280 PCIe Gen 5 x2 slots<br><br>Compatible with NVMe SSD PCIe Gen 3 and above. Please refer to <a href="https://www.qnap.com/compatibility/">https://www.qnap.com/compatibility/</a> 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)  |
| 10 Gigabit Ethernet Port                 | 2 x 10GBASE-T (10G/5G/2.5G/1G/100M)   |

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| 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.<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   | 3U Rackmount   |
| LED Indicators  | Power Status, HDD 1-16, M.2 SSD 1-2, Status, LAN, storage expansion port status  |
| Buttons   | Power, Reset   |
| Dimensions (HxWxD)  | 131.3 × 482.2 × 550.8 mm<br><br>Excludes ear hook and the protruding part of the Power Supply Unit.<br>Excludes ear hook and the protruding part of the Power Supply Unit.   |
| Weight (Net)  | 15.64 kg   |
| Weight (Gross)  | 22.08 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   |
| 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.

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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