



TS-h1677XU-RP-3700X-32G

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| CPU | AMD Ryzen™ 7 3700X 8-core/16-thread 3.6 GHz processor, Turbo Core 4.4 GHz |
| CPU Architecture | 64-bit x86 |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 32 GB UDIMM DDR4 (2 x 16GB) |
| Maximum Memory | 128 GB (4 x 32 GB) |
| Memory Slot | 4 x Long-DIMM DDR4 |
| 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 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives |
| Hot-swappable | Yes |
| SSD Cache Acceleration Support | Yes |
| Gigabit Ethernet Port (RJ45) | 2 |
| 10 Gigabit Ethernet Port | 2 x 10GbE SFP+ SmartNIC port |
| Wake on LAN (WOL) | Yes |
| Jumbo Frame | Yes |
| PCIe Slot | 4 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x8 or PCIe Gen 3 x4* Slot 3: PCIe Gen 3 x4 Slot 4: PCIe Gen 3 x8 or PCIe Gen 3 x4** |
| USB 3.2 Gen 1 port | 4 |

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|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| USB 3.2 Gen 2 (10Gbps) Port | 1 x Type-C USB 3.2 Gen 2 10Gbps 1 x Type-A USB 3.2 Gen 2 10Gbps |
| Form Factor | 3U Rackmount |
| LED Indicators | HDD 1-16, Status, LAN, storage expansion port status |
| Buttons | Power, Reset |
| Dimensions (HxWxD) | 130 × 481 × 573.5 mm |
| Weight (Net) | 15.26 kg |
| Weight (Gross) | 21.38 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(x2), 100-240V |
| Power Consumption: Operating Mode, Typical | 136.45 W |
| Fan | System fan: 4 x 92mm, 12VDC |
| Sound Level | 46.6 db(A) |
| System Warning | Buzzer |
| 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.

* Sound Level Test

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

Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.