



TS-1677XU-RP-2700-16G

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| CPU | AMD Ryzen™ 7 2700 8-core 3.2 GHz processor, Turbo Core 4.1 GHz |
| CPU Architecture | 64-bit x86 |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 16 GB UDIMM DDR4 (2 x 8GB) |
| Maximum Memory | 64 GB (4 x 16 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 |
| 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 |
| USB 3.2 Gen 2 (10Gbps) Port | 1 x Type-C USB 3.2 Gen 2 5V/3A 10Gbps 1 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps |
| Form Factor | 3U Rackmount |

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| 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) |
| 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) | 700 |

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.

Designs and specifications are subject to change without notice.