



TS-1677XU-RP-2700-16G

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
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
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
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.