TS-1677X-1700-64G (EOL)

CPU	AMD Ryzen™ 7 1700 8-core/16-thread 3.0 GHz processor (Turbo Core to 3.7 GHz)
CPU Architecture	64-bit x86
Graphic Processors	Optional via a PCIe adapter
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Optional via a PCIe adapter
System Memory	64 GB UDIMM DDR4
Maximum Memory	64 GB (4 x 16 GB)
Memory Slot	4 x U-DIMM DDR4
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	12 x 3.5-inch + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives 2.5-inch bays: 2.5-inch solid state drives
Hot-swappable	Yes (Not supported M.2 SSD)
M.2 Slot	Optional via a PCIe adapter
SSD Cache Acceleration Support	Yes
GPU pass-through	Yes
Gigabit Ethernet Port (RJ45)	4
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M) Please use Cat 6a or Cat 7 LAN cables (sold separately) to achieve 10GbE speed over longer distance.

Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
PCIe Slot	3 Slot 1: PCIe Gen 3 x8 Slot 2: PCIe Gen 3 x4 Slot 3: PCIe Gen 2 x4
USB 3.2 Gen 1 port	8
USB 3.2 Gen 2 (10Gbps) Port	Optional via a PCIe adapter
IR Sensor	Yes (QNAP RM-IR004)
HDMI™ Output	Optional via a PCIe adapter
Audio Input	2 x 3.5 mm dynamic microphone jacks
Audio Output	1 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers) You cannot use the speakers and the line-out jack simultaneously.
Form Factor	Tower
LED Indicators	System status, 2.5” SSD, 3.5” HDD
LCD Display/ Button	Yes
Buttons	Power, Reset, USB Copy
Dimensions (HxWxD)	303.84 × 369.89 × 319.8 mm
Weight (Net)	13.39 kg
Weight (Gross)	15.96 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, 100-240V AC, 50/60 Hz, with additional graphics card power cables
Power Consumption: Operating Mode, Typical	97.33 W Tested with drives fully populated.
Fan	System fan: 3 x 92mm, 12VDC CPU fan: 2 x 90mm
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	3 years

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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