QNAP

TS-1677X-1700-16G

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
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Optional via a PCIe adapter
System Memory	16 GB UDIMM DDR4 (2 x 8 GB)
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
M.2 SSD Slot	Optional via a PCIe adapter
SSD Cache Acceleration Support	Yes
Gigabit Ethernet Port (RJ45)	4
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)
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 3.0 port	8
USB 3.1 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 ampfliers or speakers)
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)
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
Fan	System: 3 x 9.2cm fan (12V DC) CPU: 2 x 9cm fan
Sound Level	23.3 db(A)
Kensington Security Slot	Yes

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.