

TS-1677X-1600-8G

CPU	<p>AMD Ryzen™ 5 1600 6-core/12-thread 3.2 GHz processor, Turbo Core 3.6 GHz</p> <p>Architecture: 64-bit</p> <p>Graphics: Optional (with PCIe expansion card)</p> <p>Encryption Engine: AES-NI</p>
System Memory	8 GB DDR4 (2 x 4 GB)
Maximum Memory	64 GB (4 x 16 GB)
Memory Slot	<p>4 x Long-DIMM slots</p> <p>(For dual- or quad-DIMM configurations, you must use a pair of identical DDR4 modules.)</p>
Drive Bay	<p>12 x 3.5-inch SATA 6 Gbps bays</p> <p>4 x 2.5-inch SATA 6 Gbps bays</p>
Drive Compatibility	<p>3.5-inch bays:</p> <ul style="list-style-type: none"> 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives <p>2.5-inch bays:</p> <ul style="list-style-type: none"> 2.5-inch solid state drives
10 Gigabit Ethernet Port	<p>2 x 10GBASE-T RJ45, supporting 10G/5G/2.5G/1G/100M</p> <p>Note: Please use CAT6a or CAT 7 LAN cables (sold separately) to achieve 10GbE speed</p>
Gigabit Ethernet Port	4 x RJ45
USB Port	<p>8 x USB 3.0</p> <p>Front: 1 x USB 3.0 Type-A (Note: It comes with the One-Touch Copy button)</p> <p>Back: 6 x USB 3.0 Type-A; 1 x USB 3.0 Type-C</p>
PCIe Slot	<p>Slot 1: Gen3 x8</p> <p>Slot 2: Gen3 x4</p> <p>Slot 3: Gen2 x4</p>
HDMI Output	Optional: With PCIe expansion card
USB One Touch Copy	Front: USB 3.0 Type-A

Audio	<p>2 x 3.5 mm dynamic microphone jacks</p> <p>1 x 3.5 mm line-out jack</p> <p>1 x speaker</p> <p>Alarm buzzer</p> <p>Note: You cannot use the speakers and the line-out jack simultaneously.</p>
IR sensor	<p>Yes</p> <p>Note: Requires an optional graphics card and RM-IR004 remote control</p>
Form Factor	Tower
Dimensions (H x W x D)	<p>303.84 x 369.89 x 319.8 mm</p> <p>11.96 x 14.56 x 12.59 inch</p>
Weight	13.39 kg (29.52 lbs)
Power Supply Unit	550W, 100-240V AC, 50/60Hz
Fan	<p>System: 3 x 9.2cm fan (12V DC)</p> <p>CPU: 2 x 9cm fan</p>
Operating Temperature & Relative Humidity	0 ~ 40°C (32°F ~ 104°F), 5 ~ 95% RH non-condensing, wet bulb: 27°C (80.6°F)
Security Slot	Kensington security slot

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.