



TS-h686-D1602-8G

CPU	Intel® Xeon® D-1602 2-core/4-thread processor, up to 3.2 GHz
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Optional via a PCIe adapter
System Memory	8 GB UDIMM DDR4 ECC (2 x 4 GB)
Maximum Memory	128 GB (4 x 32 GB)
Memory Slot	4 x UDIMM DDR4 For dual-DIMM configurations, you must use a pair of identical DDR4 modules.
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s + 2 x 2.5-inch SATA 6Gb/s, 3Gb/s The system is shipped without HDD. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/
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 SATA solid state drives
Hot-swappable	Yes
M.2 Slot	2 x M.2 22110/2280 NVMe PCIe Gen3 x4 slots Compatible with NVMe SSD PCIe Gen 3 and above. Please refer to https://www.qnap.com/compatibility/ for compatibility.
SSD Cache Acceleration Support	Yes
GPU pass-through	Yes

SR-IOV	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	4 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via an adapter
25 Gigabit Ethernet Port	Optional via an adapter
Wake on LAN (WOL)	Yes Only the 2.5GbE port
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x8 Card dimensions for PCIe slot 1 : 260 x 111.15 x 37.52 mm / 10.25 x 4.38 x 1.48 inches. Card dimensions for PCIe slot 2 : 150 x 68.9 x 37.52 mm / 5.90 x 2.71 x 1.48 inches.
USB 3.2 Gen 1 port	3
Form Factor	Tower
LED Indicators	System status, LAN, USB, Disk 1~6, M.2 SSD 1~2
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	225 × 224.9 × 319.8 mm Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model)
Weight (Net)	8.44 kg
Weight (Gross)	8.7 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	250W PSU, 100~240V
Power Consumption: Operating Mode, Typical	61.115 W Tested with drives fully populated.
Fan	System fan: 1 x 97mm, 12VDC CPU fan: 1 x 90mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	3

Max. Number of Concurrent Connections (CIFS) - with Max. Memory	10000
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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. 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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