



TS-h686-D1602-8G

CPU	Intel® Xeon® D-1602 dual-core 2.5 GHz processor (burst up to 3.2 GHz)
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	8 GB UDIMM DDR4 ECC (2 x 4 GB)
Maximum Memory	128 GB (4 x 32 GB)
Memory Slot	4 x Long-DIMM DDR4
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
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 SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes
M.2 SSD Slot	2 x M.2 2280/22110 NVMe Gen3 x4 slots
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	4
Jumbo Frame	Yes
PCIe Slot	<p>2</p> <ul style="list-style-type: none"> Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x8

USB 3.2 Gen 1 port	3
Form Factor	Tower
LED Indicators	System status, 2.5" SSD, M.2 SSD, 3.5" HDD
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	231.9 × 224.9 × 319.8 mm
Operating temperature	0 - 35°C (32°F - 95°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	Input: 100-240V~, 3-1.5A, 60-50Hz; Output 250W
Fan	System fan: 1 x 80mm CPU fan: 1 x 97mm
System Warning	Buzzer
Kensington Security Slot	Yes
Max. Number of Concurrent Connections (CIFS)	1500

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.