



## 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"> <li>3.5-inch SATA hard disk drives</li> <li>2.5-inch SATA hard disk drives</li> <li>2.5-inch SATA solid state drives</li> </ul> <p>2.5-inch bays:</p> <ul style="list-style-type: none"> <li>2.5-inch SATA solid state drives</li> </ul>
Hot-swappable	Yes
M.2 SSD Slot	2 x M.2 22110/2280 NVMe PCIe Gen3 x4 slots
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	4 (also support 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
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x8
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)	231.9 × 224.9 × 319.8 mm
Weight (Net)	7.27 kg
Weight (Gross)	8.72 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
Fan	System fan: 1 x 97mm, 12VDC CPU fan: 1 x 90mm, 12VDC
Sound Level	18.6 db(A)
System Warning	Buzzer
Kensington Security Slot	Yes
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	10000

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. Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.