



TS-h686-D1602-8G

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| 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 |
| 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 | 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 |
| SSD Cache Acceleration Support | Yes |
| GPU pass-through | Yes |
| SR-IOV | 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 |

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| 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 |
| 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.

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