TS-1685-D1521-8G (EOL)

CPU	Intel® Xeon® D-1521 4-core 2.4 GHz processor, Max turbo to 2.7 GHz.
CPU Architecture	64-bit x86
Encryption Engine	Yes (AES-NI)
System Memory	8GB UDIMM DDR4
Maximum Memory	UDIMM: 64 GB (4 x 16 GB) RDIMM: 128GB (4 x 32 GB)
Memory Slot	4 x UDIMM DDR4 IMPORTANT: You can only use one type of dual in-line memory module (DIMM) at a time. Do not use Registered DIMM (RDIMM) with Unbuffered DIMM (UDIMM) memory.
Flash Memory	512MB (DOM for dual OS)
Drive Bay	12 x 3.5-inch + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes (Not supported M.2 SSD)
M.2 Slot	6 x M.2 22110/2280/2260/2242 SATA 6Gb/s slot The M.2 SSD is not included as standard. M.2 SSD operations can easily generate excessive heat. It is recommended to install a heatsink (from QNAP or a third-party provider) on the M.2 SSD.
SSD Cache Acceleration Support	Yes
GPU pass-through	Yes
Gigabit Ethernet Port (RJ45)	4
10 Gigabit Ethernet Port	2 x 10GBASE-T
Wake on LAN (WOL)	Yes

Jumbo Frame	Yes
PCIe Slot	3 Slot 1: PCIe Gen 3 x8 Slot 2: PCIe Gen 2 x4 Slot 3: PCIe Gen 3 x8
USB 3.2 Gen 1 port	3
Audio Output	1 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers) Only one of the above audio output ports can work at a time. If a speaker is connected, the sound will output through the speaker.
Form Factor	Tower
LED Indicators	System status, 2.5" SSD, M.2 SSD, 3.5" HDD
LCD Display/ Button	Yes
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	303.84 × 369.89 × 319.8 mm
Weight (Net)	13.39 kg
Weight (Gross)	15.96 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	Input: 100-240V~, 3-1.5A, 60-50Hz; Output: 250W
Power Consumption: Disk Standby Mode	61.36 W
Power Consumption: Operating Mode, Typical	127 W
Fan	System fan: 3 x 92mm, 12VDC CPU fan: 2 x 90mm
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	3 years
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 and refer to the hardware user manual to install compatible QNAP memory modules.
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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