

TS-1685-D1521-8G	
CPU	CPU : Intel® Xeon® Processor D-1521, 4-core 2.4 GHz
System Memory	8GB non-ECC RAM (4GB UDIMM x 2)
Maximum Memory	DDR4 128GB (with DDR4 32GB RDIMM x 4)
Memory Slot	4
Flash Memory	512MB DOM
Drive Bay	12 x 2.5"/3.5" HDD/SSD slot 4 x 2.5" SSD slot
Drive Compatibility	SATA 6Gb/s HDD and SSD
M.2 SSD Slot	6 x M.2 2242/2260/2280/22110 SATA 6Gb/s SSD Note: 1. The M.2 SSD is not included as standard. 2. 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.
Gbe Lan Port	2 x 10GBASE-T ports, 4 x Gigabit ports
USB Port	Front: 1 x USB 3.0 port; Rear: 2 x USB 3.0 port
Audio	Output: 1 x built-in speaker, 1 x 3.5mm Line-out jack Note: 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.
LED Indicators	System status, 2.5" SSD, M.2 SSD, 3.5" HDD
Buttons	System: Power button, Reset button, USB one-touch-backup button
Form Factor	Desktop
Dimensions (H x W x D)	303.84 x 369.89 x 319.8 mm 11.96 x 14.56 x 12.59 inch
Weight	Net weight (NAS only): 13.39 kg/ 29.52 lb Gross weight (with packing and accessories): 15.96 kg/ 35.19 lb
Sound Level	Sound Level (dB) Sound pressure (LpAm) (bystander position): 22.5 dB (with 12 x Seagate ST2000VN000 hard drive and 4 x SSD installed)

Power Consumption (W)	Sleep mode: 61.36 W In Operation: 127 W
Operating Temperature & Relative Humidity	0 ~ 40°C (32°F ~ 104°F) · 5~95% non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	100-240V~, 3-1.5A, 60-50Hz, 250W PSU
PCIe Slot	Number: 3 Slot 1: PCIe Gen.3 x8 Slot 2: PCIe Gen.2 x4 Slot 3: PCIe Gen.3 x8
Fan	System: 3 x 9.2cm fan (12V DC) CPU: 2 x 9cm fan

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.