



TDS-h2489FU-4314-512G (By Request)

CPU	2 x Intel® Xeon® Silver 4314 16-core/32-thread processor, up to 3.4 GHz
CPU Architecture	64-bit x86
Encryption Engine	Yes (AES-NI)
System Memory	512 GB RDIMM DDR4 ECC (16 x 32 GB)
Memory Slot	32 x RDIMM DDR4 ECC (16 x slots per socket)
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	24 x 2.5-inch
Drive Compatibility	2.5-inch bays: 2.5-inch SATA hard disk drives (#17-24) 2.5-inch SATA solid state drives (#17-24) 2.5-inch U.2 NVMe PCIe Gen4 x4 solid state drives
Hot-swappable	Yes
M.2 Slot	2 Slot 1: M.2 2280 NVMe PCIe Gen 3 x4 or SATA 6Gb/s Slot 2: M.2 2280 NVMe PCIe Gen 3 x2 or SATA 6Gb/s
SSD Cache Acceleration Support	Yes
SR-IOV	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	4 (2.5G/1G/100M/10M)
25 Gigabit Ethernet Port	2 x 25GbE SFP28 SmartNIC port
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x8
USB 3.2 Gen 1 port	4
Form Factor	Rackmount

LED Indicators	SSD, Status, Power, Fan, Temperature, Power Module Status, Device Name, IP Address
Buttons	Power, Reset, OLED
Dimensions (HxWxD)	88.3 × 446.2 × 713.2 mm
Weight (Net)	21.31 kg
Weight (Gross)	27.6 kg
Operating temperature	0 - 35°C (32°F - 95°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	1200W PSU(x2), 100-240Vac Max Wattage: 1200W@200-240Vac 1000W@100-127Vac
Power Consumption: Operating Mode, Typical	467.59 W
Fan	6 x 60mm, 12VDC
System Warning	Buzzer
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	10,000

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.