



TDS-h2489FU-4314-256G	
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	256 GB RDIMM DDR4 ECC (8 x 32 GB)
Maximum Memory	1 TB (32 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.

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