



TDS-16489U-SE2-R2

CPU E5-2620 v4 8-core 2.1 GHz processor x2

CPU Architecture 64-bit x86

Floating Point Unit Yes

Encryption Engine Yes (AES-NI)

Hardware-accelerated Transcoding QTS: Optional via a PCIe graphics card
QES: N/A

System Memory 128GB RDIMM DDR4 (8 x 16GB)

Maximum Memory RDIMM/LRDIMM: 1 TB (16 x 64 GB)

Memory Slot 16 x Long-DIMM DDR4

Flash Memory 4GB (DOM for dual OS)

Drive Bay Front: 16 x 3.5-inch
Rear: 4 x 2.5-inch

Drive Compatibility 3.5-inch bays:
3.5-inch SATA/SAS hard disk drives
2.5-inch SATA/SAS hard disk drives
2.5-inch SATA/SAS solid state drives

2.5-inch bays:
2.5-inch SATA/SAS solid state drives

Hot-swappable Yes

SSD Cache Acceleration Support Yes

Gigabit Ethernet Port (RJ45) 2

10 Gigabit Ethernet Port 4 x 10GbE SFP+

Jumbo Frame Yes

PCIe Slot	4 Slot 1: PCIe Gen 3 x16 Slot 2: PCIe Gen 3 x8 Slot 3: PCIe Gen 3 x8 Slot 4: PCIe Gen 3 x8
USB 3.2 Gen 1 port	4
IPMI	3 (LAN, VGA, console) *Only work with QTS OS
Form Factor	3U Rackmount
LED Indicators	HDD 1-16, Status, 10 GbE, LAN, storage expansion port status
Buttons	Power, Reset
Dimensions (HxWxD)	130.8 × 444 × 744 mm
Weight (Net)	22.42 kg
Weight (Gross)	30.19 kg
Operating temperature	0 - 40 °C (32°F - 104°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	Redundant/ Hot Swap ATX Power Supply, Input: 50-60 Hz 100-127V~/ 10A 200-240V/ 5A Output: 770W
Power Consumption: HDD Sleep Mode	254.21 W
Power Consumption: Operating Mode, Typical	362.86 W
Fan	4 x 60mm, 12VDC
Sound Level	37.8 db(A)
System Warning	Buzzer
Max. Number of Concurrent Connections (CIFS)	QTS: 1500 QES: 1500

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.