



TS-EC1680U-E3-4GE-R2 (Legacy)

CPU	Intel® Xeon® E3-1245 v3 4-core 3.4 GHz processor, E3-1246 v3 4-core 3.5 GHz processor or a compatible E3-1200 v3 family processor
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	4GB UDIMM DDR3 ECC (2 x 2GB)
Maximum Memory	32 GB (4 x 8GB)
Memory Slot	4 x DDR3 UDIMM
Flash Memory	512MB (DOM for dual OS)
Drive Bay	16 x 3.5-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
mSATA slot	2 (mSATA flash module is optional)
SSD Cache Acceleration Support	Disk 1, 2, 3, 4
Gigabit Ethernet Port (RJ45)	4
10 Gigabit Ethernet Port	2 x 10GbE SFP+
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen 3 x8 Slot 2: PCIe Gen 3 x4
USB 2.0 port	4

USB 3.2 Gen 1 port	4
HDMI Output	1
Form Factor	3U Rackmount
LED Indicators	HDD 1-16, Status, 10 GbE, LAN, storage expansion port status
Buttons	Power, Reset
Dimensions (HxWxD)	5.12 × 17.42 × 20.89 inch
Weight (Net)	40.34 lbs
Weight (Gross)	53.31 lbs
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	Redundant/ Hot Swap ATX Power Supply,Input: 50-60 Hz 100-127V~/ 8.5A 200-240V/ 4.2A Output: 650W
Power Consumption: HDD Sleep Mode	82.84 W
Power Consumption: Operating Mode, Typical	166.58 W
Fan	4 x 80mm smart cooling fan
System Warning	Buzzer
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.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

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