



QTS hero edition
TS-h1683XU-RP



TS-h1683XU-RP-E2236-128G

CPU	Intel® Xeon® E-2236 6-core 3.4 GHz processor (burst up to 4.8 GHz)
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	128 GB UDIMM DDR4 ECC (4 x 32GB)
Maximum Memory	128 GB (4 x 32 GB)
Memory Slot	4 x Long-DIMM DDR4
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	16 x 3.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes
SSD Cache Acceleration Support	Yes
Gigabit Ethernet Port (RJ45)	4
10 Gigabit Ethernet Port	2 x 10GbE SFP+ SmartNIC port, 2 x 10GBase-T port
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
PCIe Slot	4 Slot 1: PCIe Gen 2 x4 (PCH) Slot 2: PCIe Gen 3 x8 (CPU) Slot 3: PCIe Gen 3 x4 (CPU) Slot 4: PCIe Gen 3 x4 (CPU)
USB 3.2 Gen 2 (10Gbps) Port	2 x Type-C USB 3.2 Gen 2 5V/3A 10Gbps 4 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps

Form Factor	3U Rackmount
LED Indicators	HDD 1-16, Status, LAN, storage expansion port status
Buttons	Power, Reset
Dimensions (HxWxD)	130 × 481 × 573.5 mm
Weight (Net)	13.76 kg
Weight (Gross)	21.79 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	500W(x2), 100-240V
Power Consumption: Operating Mode, Typical	130.43 W
Fan	System fan: 4 x 92mm, 12VDC
Sound Level	53 db(A)
System Warning	Buzzer
Max. Number of Concurrent Connections (CIFS)	700

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.