QuTS hero edition
TS-h1683XU-RP

TS-h1683XU-RP-E2236-128G

CPU	Intel® Xeon® E E-2136/E-2236 6-core / 12-thread processor
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 UDIMM 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
GPU pass-through	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 10Gbps 4 x Type-A USB 3.2 Gen 2 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)
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	500W(x2), 100-240V
Power Consumption: Operating Mode, Typical	149 W
Fan	System fan: 3 x 80mm, 12VDC
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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