



## TS-h2287XU-RP-E2378-64G

CPU	Intel® Xeon® E-2378 8C 16T 2.6GHz, up to 4.8GHz
CPU Architecture	64-bit x86
Graphic Processors	Optional via a PCIe adapter
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	64 GB ECC DDR4 (2 x 32 GB)
Maximum Memory	128GB (4 x 32 GB)
Memory Slot	4 x ECC UDIMM DDR4
	For dual-DIMM configuration, you must use a pair of identical DDR4 modules.
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	22 (16 x 3.5-inch SATA + 6 x 2.5-inch SATA)
Drive Compatibility	<ul><li>3.5-inch bays:</li><li>3.5-inch SATA hard disk drives</li><li>2.5-inch SATA solid state drives</li></ul>
	2.5-inch bays: 2.5-inch SATA solid state drives
Hot-swappable	Yes
M.2 Slot	Optional via a QM2 PCIe adapter
SSD Cache Acceleration Support	Yes
GPU pass-through	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M)
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)
25 Gigabit Ethernet Port	Optional via a PCIe adapter
Wake on LAN (WOL)	Yes

PLe Slot3 (2 x Gen 4 x 1 x Gen 4 x)PLe SlotGradimensions for PLe slot 1 : 200 x 11.15 x 23.76 mm / 9.84 x 4.38 x 0.94 x dy slow slow slow slow slow slow slow slow		
Indees Card dimensions for PCE slot 2 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 inches. wider card dimensions for PCE slot 3 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 inches. Wider card dimensions for PCE slot 3 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 inches. Wider card dimensions for PCE slot 3 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 inches. Wider cards can be installed if the next PCIe slot will not be used.VBB 3.2 Gen 2 (106Bps)4 x Type-A USB 3.2 Gen 2 5V/LA 106BpsForm FactorJ RackmountForm FactorJ RackmountLED IndicatorsJ RackmountMittonsNew, ResetPorter Sub X, NGreen/Red) VB Sh (Nicoren) XS B (Nicoren/Red)Porter Sub X, NGreen VB Sub X, Green/Red) VB Sub X, Green/Red) <br< td=""><td>PCIe Slot</td><td>3 (2 x Gen4 x4 +1 x Gen 4 x8)</td></br<>	PCIe Slot	3 (2 x Gen4 x4 +1 x Gen 4 x8)
Card dimensions for PCIe slot 2 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 inches. Siriemensions for PCIe slot 3 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 inches. Wider cards can be installed if the next PCIe slot will not be used.USB 3.2 Gen 2 (10Gbps)x 1ype-A USB 3.2 Gen 2 5V/1A 10GbpsHDMI** OutputOptional via a PCIe adapterForm Factor3 U RackmountLID IndicatorsSitus (Green/Red) ND status (Green/Red) VISB (Blue) Distatus (Green/Red)Pottons> Power, ResetDimensions (HXWD)5 17 x 17.01 x 20.14 inchVeight (Net)38.51 lbsOpterating Temperature0 -40 °C (32°F - 104°F)Opterating Temperature0 -40 °C (32°F - 104°F)Former Consumption:2 595 x RH non-condensing, wet bulb: 27°C (80.6°F)Power Consumption:2 83.90Power Consumption:3 28 WFanx 26 Omm + 1 x 80mm, 12VDCFandard Warnanty5Max. Number of Concurrent Connections1000		
Card dimensions for PCIe slot 3 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74 . Wider cards can be installed if the next PCIe slot will not be used.FNM:4 x Type-A USB 3.2 Gen 2 5V/1A 10GbpsHDMI** OutputOptional via a PCIe adapterForm Factor3U RackmountLE IndicatorsStatus (Green/Red) . SU RokenButtonsPower, ResetDimensions (HxWD)5.17 x 17.01 x 20.14 inchWeight (Ner)38.51 lbsOptient (Green) SSB (Blue)Poreating Temperature0-40 °C (32°F - 104°F)Oroge Temperature2.0 70°C (-4°F - 158°F)Roken Consumption:2.550W PSUPower Consumption:3.63 PNOptiend Temperature5.950W PSUPower Consumption:3.81 NBPower Consumption:2.8 WPower Consumption:3.9 NConsumeration:3.9 NConsumeration:3.9 NConsumeration:3.6 Omm + 1 x 80mm, 12VDCFan1.000		Card dimensions for PCIe slot 2 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74
Wider cards can be installed if the next PCIe slot will not be used.VSB 3.2 Gen 2 (10Gbps)4 x Type-A USB 3.2 Gen 2 5V/1A 10GbpsHDMI <sup>m</sup> OutputOptional via a PCIe adapterForm Factor3U RackmountLED IndicatorsStatus (Green/Red) XSB (Blue) KB (Blue) SSB (Blue) SSB (Blue)ButtonsPower, ResetDimensions (HxWx)5.17 × 17.01 × 20.14 inchVeight (Net)8.51 lbsVeight (Nets)4.81 SlusOperating Temperature-04 °C (32° F - 104° F)Relative Humidity5.95% RH non-condensing, wet bulb: 27° (80.6° F)Power Supply Unit2.550W PSUPower Consumption: PD Sperating Mode, Type3.81 NaForwer Consumption: PD Super Consumption: PD		Card dimensions for PCIe slot 3 : 250 x 111.15 x 18.76 mm / 9.84 x 4.38 x 0.74
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Dimensions (HxWxD)5.17 × 17.01 × 20.14 inchWeight (Net)38.51 lbsWeight (Gross)48.15 lbsOperating Temperature0 - 40 °C (32° F - 104° F)Storage Temperature-20 - 70° C (-4° F - 158° F)Relative Humidity5~95% RH non-condensing, wet bulb: 27° C (80.6° F)Power Supply Unit2 x 550W PSUPower Consumption: HDD165.39 WStorage Temperature28 WFan3 x 60mm + 1 x 80mm, 12VDCStandard Warranty5Nax. Number of Concurrent Connections11000	LED Indicators	LAN (Green) USB (Blue)
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Weight (Gross)48.15 lbsOperating Temperature0 - 40 °C (32°F - 104°F)Storage Temperature-20 - 70°C (-4°F - 158°F)Relative Humidity5~95% RH non-condensing, wet bulb: 27°C (80.6°F)Power Supply Unit2 x 550W PSUPower Consumption: HDD165.39 WSleep Mode28 WFan3 x 60mm + 1 x 80mm, 12VDCStandard Warranty5Max. Number of Concurrent Connections11000	Dimensions (HxWxD)	5.17 × 17.01 × 20.14 inch
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Power Supply Unit2 x 550W PSUPower Consumption: HDD Sleep Mode165.39 WPower Consumption: Operating Mode, Typical228 WFan3 x 60mm + 1 x 80mm, 12VDCStandard Warranty5Max. Number of Concurrent Connections11000	Storage Temperature	-20 - 70°C (-4°F - 158°F)
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Sleep Mode   228 W     Power Consumption: Operating Mode, Typical   228 W     Fan   3 x 60mm + 1 x 80mm, 12VDC     Standard Warranty   5     Max. Number of Connections   11000	Power Supply Unit	2 x 550W PSU
Operating Mode, Typical   Fan 3 x 60mm + 1 x 80mm, 12VDC   Standard Warranty 5   Max. Number of concurrent Connections 11000		165.39 W
Standard Warranty 5   Max. Number of Concurrent Connections 11000		228 W
Max. Number of 11000 Concurrent Connections	Fan	3 x 60mm + 1 x 80mm, 12VDC
Concurrent Connections	Standard Warranty	5
	<b>Concurrent Connections</b>	11000

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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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