



TS-h1655XeU-RP-8G

CPU	Intel ® Atom® C5125 8-core processor, 2.8GHz
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	8 GB non-ECC SODIMM DDR4 (1 x 8 GB)
Maximum Memory	64 GB (2 x 32 GB)
Memory Slot	2 x SODIMM DDR4 Support ECC memory For dual-DIMM configuration, you must use a pair of identical DDR4 modules.
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	12 x 3.5-inch SATA 6Gb/s, 3Gb/s + 4 x E1.S/M.2 PCIe Gen3 x2 slots The system is shipped without HDD. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/
Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives E1.S SSD M.2 PCIe 2280 SSD
Hot-swappable	Yes
M.2 Slot	4 x M.2 2280 (PCIe Gen 3 x 2) Supported by E1.S slots with M.2 adapter
SSD Cache Acceleration Support	Yes
SR-IOV	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a network adapter

10 Gigabit Ethernet Port	1 x 10GBASE-T
25 Gigabit Ethernet Port	Optional via a network adapter
Wake on LAN (WOL)	Yes Only the 2.5GbE port
Jumbo Frame	Yes
PCIe Slot	2 x PCIe Gen3 (x4) Slot 1: PCIe Gen 3 (x4) Slot 2: PCIe Gen 3 (x4) Card dimensions for PCIe slot 1: 77 x 20 x 220 mm (H x W x D) Card dimensions for PCIe slot 2: 77 x 20 x 220 mm (H x W x D)
USB 3.2 Gen 1 port	2
HDMI™ Output	Optional via a PCIe graphics card
Form Factor	3U Short Depth Rackmount
LED Indicators	HDD 1-12, SSD 1~4, Status, LAN, USB, Power
Buttons	Power, Reset
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	Minimum 300W (x2) PSU, 100-240VAC
Power Consumption: Disk Standby Mode	112.42 W
Power Consumption: Operating Mode, Typical	121.7 W Tested fully populated with WD10EFRX hard drives.
Fan	3 x 80mm, 12VDC
System Warning	Buzzer
Standard Warranty	3
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	2500

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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