TS-855X-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 UDIMM DDR4
Maximum Memory	128 GB (4 x 32 GB)
Memory Slot	4 x U-DIMM DDR4 Support ECC memory
Flash Memory	5GB (Dual boot OS protection)
Drive Bay	6 x 3.5-inch + 2 x 2.5-inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA solid state drives 2.5-inch bays: 2.5-inch SATA solid state drives
Hot-swappable	Yes The following are not hot-swappable: M.2 SSDs, SSD cache drives, SSDs using PCIe expansion slots.
M.2 Slot	2 x M.2 2280 PCIe Gen 3 x4 slots The M.2 SSD is not included as standard. M.2 SSD operations can easily generate excessive heat. It is recommended to install a heatsink (from QNAP or a third-party provider) on the M.2 SSD.
SSD Cache Acceleration Support	Yes
SR-IOV	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
10 Gigabit Ethernet Port	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)

25 Gigabit Ethernet Port	Optional via PCIe expansion card
Wake on LAN (WOL)	Yes Only the 2.5GbE port
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4 Card dimensions for PCIe slot 1：260 x 111.15 x 18.76 mm / 10.25 x 4.38 x 0.74 inches Card dimensions for PCIe slot 2：150 x 68.9 x 18.76 mm / 5.90 x 2.71 x 0.74 inches.
USB 2.0 port	1
USB 3.2 Gen 1 port	3
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-6, SSD 1-2, M.2 SSD 1-2
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	225 × 292.9 × 319.8 mm Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model)
Weight (Net)	10.04 kg
Weight (Gross)	10.04 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	250W PSU, 100~240V
Power Consumption: Operating Mode, Typical	86.96 W Tested with drives fully populated.
Fan	System fan: 2 x 80mm, 12VDC CPU fan: 1 x 90mm, 12VDC
Other Interfaces	Kensington security slot
System Warning	Buzzer
Kensington Security Slot	Yes
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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