

TS-1635AX-8G	
CPU	Marvell ARMADA 8040 ARMv8 Cortex-A72 quad-core 1.6 GHz processor
CPU Architecture	64-bit ARM
Floating Point Unit	Yes
Encryption Engine	Yes
System Memory	8 GB UDIMM DDR4 (1 x 8 GB)
Maximum Memory	16 GB (1 x 16 GB)
Memory Slot	1 x UDIMM DDR4
Flash Memory	512 MB (Dual boot OS protection)
Drive Bay	12 x 2.5-inch or 3.5-inch + 4 x 2.5-inch
Drive Compatibility	<p>3.5-inch bays:</p> <ul style="list-style-type: none"> <li>3.5-inch SATA hard disk drives</li> <li>2.5-inch SATA hard disk drives</li> <li>2.5-inch SATA solid state drives</li> </ul> <p>2.5-inch bays:</p> <ul style="list-style-type: none"> <li>2.5-inch SATA solid state drives</li> </ul>
Hot-swappable	<p>Yes</p> <p>The following are not hot-swappable: M.2 SSDs, SSD cache drives, SSDs using PCIe expansion slots.</p>
M.2 SSD Slot	<p>2 x M.2 2280 SATA SSD slots</p> <p>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.</p>
SSD Cache Acceleration Support	Yes
Gigabit Ethernet Port (RJ45)	<p>2</p> <p>Expandable with an optional PCIe adapter</p>
10 Gigabit Ethernet Port	2 x 10GbE SFP+
Jumbo Frame	Yes
PCIe Slot	<p>Slot 1: PCIe Gen3 (x2)</p> <p>Slot 2: PCIe Gen3 (x1)</p>
USB 3.0 port	3
USB 3.1 Gen 2 (10Gbps) Port	Optional via a PCIe adapter
Audio Output	1 x built-in speaker, 1 x line out jack (for amplifiers or speakers)

Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-12, SSD 1-4, M.2 SSD 1-2
LCD Display/ Button	Yes
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	303.84 × 369.89 × 319.8 mm
Weight (Net)	12.06 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	ATX 250W, Input: 100-240 Vac~, 50-60Hz, 3.5A
Power Consumption: HDD Sleep Mode	39.74 W
Power Consumption: Operating Mode, Typical	76.69 W With 12 x 1TB HDDs and 4x 120GB SSDs
Fan	3 x 9.2cm system fan (12V DC) 1 x 6cm CPU fan (12V DC)
Sound Level	23 db(A)
Other Interfaces	Kensington security slot

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.