TS-832X-2G

CPU	AnnapurnaLabs Alpine AL-324 ARM® Cortex-A57 quad-core 1.7GHz processor
CPU Architecture	64-bit ARM
Floating Point Unit	Yes
Encryption Engine	Yes
System Memory	2 GB SODIMM DDR4(1 x 2 GB)
Maximum Memory	16 GB (1 x 16 GB)
Memory Slot	1 x SO-DIMM DDR4
Flash Memory	512 MB (Dual boot OS protection)
Drive Bay	8 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
M.2 SSD Slot	Optional via a PCIe adapter
SSD Cache Acceleration Support	Yes
Gigabit Ethernet Port (RJ45)	2
10 Gigabit Ethernet Port	2 x 10GbE SFP+
Jumbo Frame	Yes
PCIe Slot	2 Slot 1: PCIe Gen 2 x1 Slot 2: PCIe Gen 2 x2
USB 3.0 port	3
Audio Output	1 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers)
Form Factor	Tower
LED Indicators	System Status, LAN, USB, HDD1~8
Buttons	Power, Reset, USB Copy
Dimensions (HxWxD)	188.2 × 329.3 × 279.6 mm
Weight (Net)	6.38 kg
Weight (Gross)	8.61 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	250W, 100-240V AC, 50/60Hz, 3.5A
Power Consumption: HDD Sleep Mode	24.53 W
Power Consumption: Operating Mode, Typical	49.43 W
Fan	System fan: 2 x 120mm, 12VDC CPU fan: 1 x 60mm
Sound Level	20.7 db(A)
System Warning	Voice prompts or Buzzer
Kensington Security Slot	Yes

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.