TS-832PXU-4G

CPU	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 4-core 1.7GHz processor
CPU Architecture	64-bit ARM
Encryption Engine	Yes
System Memory	4 GB UDIMM DDR4
Maximum Memory	16 GB (1 x 16 GB)
Memory Slot	1 x UDIMM 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 (Not supported M.2 SSD)
M.2 Slot	Optional via a PCIe adapter
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
10 Gigabit Ethernet Port	2 x 10GbE SFP+
Wake on LAN (WOL)	Yes Only the 2.5GbE port
Jumbo Frame	Yes
PCIe Slot	1 Slot 1: PCIe Gen 2 x2 PCIe bandwidth limitations will restrict the NAS 10GbE performance. Card dimensions for PCIe slot：220 x 68.9x 18.76 mm / 8.67 x 2.71 x 0.74 inches.
USB 3.2 Gen 1 port	4

Form Factor	2U Rackmount
LED Indicators	HDD 1-8, Status, LAN, Storage expansion
Buttons	Power, Reset
Dimensions (HxWxD)	88.6 × 432 × 511 mm Excludes ear hook and the protruding part of the Power Supply Unit.
Weight (Net)	10.76 kg
Weight (Gross)	12.79 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	56.412 W Tested with drives fully populated.
Fan	2 x 70mm, 12VDC
System Warning	Buzzer
Standard Warranty	3 years
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	700

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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