



TS-431X-8G (Legacy)

CPU Annapurna Labs Alpine AL212 2-core 1.7 GHz

CPU Architecture 32-bit ARM

Floating Point Unit Yes

Encryption Engine Yes

System Memory 8 GB SODIMM DDR3 (1 x 8 GB)

Maximum Memory 8 GB (1 x 8 GB)

Memory Slot 1 x SODIMM DDR3

Flash Memory 512 MB (Dual boot OS protection)

Drive Bay 4x 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

SSD Cache Acceleration Support Yes

Gigabit Ethernet Port (RJ45) 2

10 Gigabit Ethernet Port 1 x 10GbE SFP+

Wake on LAN (WOL) Yes

Jumbo Frame Yes

USB 3.2 Gen 1 port 3

Form Factor Tower

LED Indicators Power, Status, LAN, USB, HDD1-4

Buttons Power, Reset, USB Auto Copy

Dimensions (HxWxD) 169 × 160 × 219 mm

Weight (Net)	2.01 kg
Weight (Gross)	3.47 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	90W Adapter, 100-240V
Power Consumption: HDD Sleep Mode	11.65 W
Power Consumption: Operating Mode, Typical	26.7 W Tested with drives fully populated.
Fan	1 x 120mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	2
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	400

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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