



TS-431X3-4G

CPU Annapurna Labs Alpine AL-314 4-core 1.7 GHz

CPU Architecture 32-bit ARM

Floating Point Unit Yes

Encryption Engine Yes

System Memory 4 GB SODIMM DDR3 (1 x 4 GB)

Maximum Memory 8 GB (1 x 8 GB)

Memory Slot 1 x SO-DIMM DDR3L

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) 1

2.5 Gigabit Ethernet Port (2.5G/1G/100M) 1

10 Gigabit Ethernet Port 1 x 10GbE SFP+

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)	161 × 160 × 219 mm
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	90W Adapter, 100-240V
Fan	1 x 120mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Max. Number of Concurrent Connections (CIFS)	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. 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.