



TS-431K

CPU AnnapurnaLabs, an Amazon company Alpine AL214, 4-core, 1.7GHz

CPU Architecture 32-bit ARM

Floating Point Unit Yes

Encryption Engine Yes

System Memory 1GB DDR3

Maximum Memory 1GB 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

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	11.928 W
Power Consumption: Operating Mode, Typical	26.57 W
Fan	1 x 120mm, 12VDC
Sound Level	21.3 db(A)
System Warning	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.

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