



## 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

**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)
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
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.