



## 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** 2

**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 (12VDC), 100-240VAC                  |
| Power Consumption: HDD Sleep Mode                               | 11.928 W   |
| Power Consumption: Operating Mode, Typical                      | 26.57 W  |
| Fan   | 1 x 120mm, 12VDC                                 |
| System Warning  | Buzzer   |
| Kensington Security Slot  | Yes  |
| 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.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

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