



## TS-431KX-2G

|                                |                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------|
| CPU                            | AnnapurnaLabs, an Amazon company Alpine AL-214, 4-core, 1.7GHz                                                         |
| CPU Architecture               | 32-bit ARM                                                                                                             |
| Floating Point Unit            | Yes                                                                                                                    |
| Encryption Engine              | Yes                                                                                                                    |
| System Memory                  | 2 GB SODIMM DDR3 (1 x 2 GB)                                                                                            |
| Maximum Memory                 | 8 GB (1 x 8 GB)                                                                                                        |
| Memory Slot                    | 1 x SO-DIMM DDR3/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:<br>3.5-inch SATA hard disk drives<br>2.5-inch SATA hard disk drives<br>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+                                                                                                         |
| 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                                                                                                     |

|                                              |                                                  |
|----------------------------------------------|--------------------------------------------------|
| Weight (Net)                                 | 2.03 kg                                          |
| Weight (Gross)                               | 3.46 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            | 11.65 W                                          |
| Power Consumption: Operating Mode, Typical   | 26.7 W                                           |
| Fan                                          | 1 x 120mm, 12VDC                                 |
| Sound Level                                  | 19.5 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.