



## TS-431P3-4G

|                                          |                                                                                                                        |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| CPU                                      | AnnapurnaLabs, an Amazon company Alpine AL314, 4-core, 1.7GHz                                                          |
| CPU Architecture                         | 32-bit ARM                                                                                                             |
| Floating Point Unit                      | Yes                                                                                                                    |
| Encryption Engine                        | Yes                                                                                                                    |
| System Memory                            | 4GB SO-DIMM DDR3                                                                                                       |
| Maximum Memory                           | 8GB DDR3                                                                                                               |
| 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:<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)             | 1                                                                                                                      |
| 2.5 Gigabit Ethernet Port (2.5G/1G/100M) | 1                                                                                                                      |
| 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)                                 | 3 kg                                             |
| Weight (Gross)                               | 4.3 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.