



TS-431X2-2G (EOL)

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| CPU | AnnapurnaLabs Alpine AL314 32-bit ARM® Cortex-A15 quad-core 1.7GHz processor |
| CPU Architecture | 32-bit ARM |
| Floating Point Unit | Yes |
| Encryption Engine | Yes |
| System Memory | 2 GB SODIMM DDR3 RAM |
| Maximum Memory | 8 GB (1 x 8GB) |
| Memory Slot | 1 x SO-DIMM DDR3 |
| Flash Memory | 512 MB (Dual boot OS protection) |
| Drive Bay | 4 x 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 |
| 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) | 169 × 160 × 219 mm |

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| 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 | External Power Adapter,90W, 100-240V |
| Power Consumption: HDD Sleep Mode | 11.32 W |
| Power Consumption: Operating Mode, Typical | 26.19 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) | 1500 |

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.