



TS-431XeU-8G

CPU	AnnapurnaLabs Alpine AL314 32-bit ARM® Cortex-A15 4-core 1.7GHz processor
CPU Architecture	32-bit ARM
Floating Point Unit	Yes
Encryption Engine	Yes
System Memory	8 GB SODIMM DDR3 (1 x 8 GB)
Maximum Memory	8 GB (1 x 8 GB)
Memory Slot	1 x SODIMM DDR3
Flash Memory	512MB (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+
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
USB 3.2 Gen 1 port	4
Form Factor	1U Short Depth Rackmount
LED Indicators	HDD 1-4, Status, USB, LAN1-3
Buttons	Power, Reset

Dimensions (HxWxD)	43.3 × 430 × 291 mm
	Excludes ear hook and the protruding part of the Power Supply Unit.
Weight (Net)	5 kg
Weight (Gross)	5.9 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	Open-frame 100W, Input: 100V-240V ~ / 3.5A, 50Hz-60Hz
Power Consumption: HDD Sleep Mode	12.42 W
Power Consumption: Operating Mode, Typical	30.99 W Tested with drives fully populated.
Fan	3 x 40mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	3
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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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