



TS-451+ -8G (Legacy)

CPU	Intel® Celeron® J1900 4-core/4-thread processor, burst up to 2.42 GHz
CPU Architecture	64-bit x86
Graphic Processors	Intel® HD Graphics
Floating Point Unit	Yes
Hardware-accelerated Transcoding	Yes , up to 1080P
System Memory	8 GB SODIMM DDR3L
Maximum Memory	8 GB (2 x 4GB)
Memory Slot	2 x SODIMM DDR3L For dual-DIMM configurations, you must use a pair of identical DDR3L modules.
Flash Memory	512MB (Dual boot OS protection)
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s The system is shipped without HDD. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/
Drive Compatibility	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 2.0 port	2
USB 3.2 Gen 1 port	2

IR Sensor	Yes (RM-IR002 & MCE)
HDMI™ Output	1, (up to 1080p)
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-4
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	177 × 180 × 235 mm
Weight (Net)	3 kg
Weight (Gross)	4.3 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	15.78 W
Power Consumption: Operating Mode, Typical	33.88 W
Fan	1 x 120mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	2
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	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 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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