

TS-453E-8G

CPU	Intel® Celeron® J6412 4-core/4-thread processor, burst up to 2.6 GHz
CPU Architecture	64-bit x86
Graphic Processors	Intel® UHD Graphics
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	8 GB SODIMM DDR4 Since 2024/01
Maximum Memory	16 GB (2 x 8GB)
Memory Slot	2 x SODIMM DDR4
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	4 x 3.5-inch SATA 6Gb/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 solid state drives
Hot-swappable	Yes (Not supported M.2 SSD)
M.2 Slot	2 x M.2 2280 PCIe Gen 3 x2 Compatible with NVMe SSD PCIe Gen 3 and above. Please refer to https://www.qnap.com/compatibility/ for compatibility.
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes

USB 2.0 port	2
USB 3.2 Gen 2 (10Gbps) Port	2 x Type-A
HDMI™ Output	2 x HDMI™ 1.4b (up to 3840 x 2160 @ 30Hz)
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-4
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	165 × 160.2 × 220.5 mm Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model)
Weight (Net)	3.5 kg
Weight (Gross)	3.5 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, 100-240V
Power Consumption: Disk Standby Mode	28.974 W
Power Consumption: Operating Mode, Typical	35.79 W
Fan	1 x 120mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	3 years
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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