



TS-453D-8G

CPU	Intel® Celeron® J4125 quad-core 2.0 GHz processor (burst up to 2.7 GHz)
CPU Architecture	64-bit x86
Graphic Processors	Intel® HD Graphics 600
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	8 GB SO-DIMM DDR4 (2 x 4 GB)
Maximum Memory	8 GB (2 x 4 GB)
Memory Slot	2 x SO-DIMM DDR4
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s
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
M.2 SSD Slot	Optional via a PCIe adapter
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (also support 10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via PCIe expansion card
10 Gigabit Ethernet Port	Optional via PCIe expansion card
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes

PCIe Slot	1 Slot 1: PCIe Gen 2 x2
USB 2.0 port	3
USB 3.2 Gen 1 port	2
USB 3.2 Gen 2 (10Gbps) Port	Optional via a PCIe adapter
IR Sensor	Yes (Optional QNAP RM-IR004 remote control)
HDMI Output	1, HDMI 2.0 (up to 4096 x 2160 @ 60Hz)
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-4
Buttons	Power, USB copy, Reset
Dimensions (HxWxD)	168 × 170 × 226 mm
Weight (Net)	2.26 kg
Weight (Gross)	3.6 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: HDD Sleep Mode	11.3 W
Power Consumption: Operating Mode, Typical	25.98 W
Fan	1 x 120mm, 12VDC
Sound Level	21.1 db(A)
System Warning	Buzzer
Kensington Security Slot	Yes

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.

Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.