

TS-453B-8G	
CPU	Intel® Celeron® J3455 quad-core 1.5 GHz processor (burst up to 2.3 GHz)
CPU Architecture	64-bit x86
Graphic Processors	Intel® HD Graphics 500
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	8 GB SO-DIMM DDR3L (2 x 4 GB)
Maximum Memory	8 GB (2 x 4 GB)
Memory Slot	2 x SO-DIMM DDR3L  For dual-DIMM configuration, you must use a pair of identical DDR3L modules.
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	4 x 2.5-inch or 3.5-inch SATA 6Gb/s, 3Gb/s  The system is shipped without HDD. For the HDD compatibility list, please visit <a href="https://www.qnap.com/compatibility/">https://www.qnap.com/compatibility/</a>
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
Gigabit Ethernet Port (RJ45)	2  Expandable with an optional PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter
Jumbo Frame	Yes
PCIe Slot	1 x PCIe Gen 2 (x2)
USB 3.0 port	5
USB 3.1 Gen 2 (10Gbps) Port	Optional via a PCIe adapter
USB QuickAccess	1 x USB 3.0 Type-C
SDXC Card Reader	1

IR Sensor	Yes (RM-IR004, RM-IR002, & MCE)
HDMI Output	2, HDMI 1.4b (up to 3840 x 2160 @ 30Hz)
Audio Input	2 x 3.5mm dynamic microphone input jacks
Audio Output	speaker, 3.5mm line out jack  You cannot use the speakers and the line-out jack simultaneously.
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-4, SD card, USB QuickAccess
LCD Display/ Button	Monochrome OLED display with capacitive sensing Enter and Select buttons
Buttons	Power, USB copy, Reset, Capacitive touch buttons (select, enter)
Dimensions (HxWxD)	168 × 170 × 226 mm
Weight (Net)	2.37 kg
Weight (Gross)	3.71 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	15 W
Power Consumption: Operating Mode, Typical	30.04 W
Fan	1 x 12 cm
Sound Level	18.8 db(A)
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.

Designs and specifications are subject to change without notice.