



TS-453BT3-8G

CPU	Intel® Celeron® J3455 4-core/4-thread 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 SODIMM DDR3L (2 x 4 GB)
Maximum Memory	8 GB (2 x 4 GB)
Memory Slot	2 x SODIMM DDR3L
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 Slot	2 x M.2 2280 SATA 6Gb/s SSD slots (pre-installed QM2 PCIe card)
SSD Cache Acceleration Support	Yes
Gigabit Ethernet Port (RJ45)	2
10 Gigabit Ethernet Port	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
Thunderbolt Port	2 (Thunderbolt™ 3)

PCIe Slot	1 x PCIe Gen 2 (x2), pre-installed with a QM2 expansion card (QM2-2S10G1TB) that includes a 10GbE 10GBASE-T port and two M.2 SATA SSD slots.
USB 3.2 Gen 1 port	5
USB 3.2 Gen 2 (10Gbps) Port	Optional via a PCIe adapter (need to replace the pre-installed QM2 card)
IR Sensor	Yes (RM-IR004, RM-IR002, & MCE)
HDMI Output	2, HDMI 1.4b (up to 3840 x 2160 @ 30Hz)
Audio Input	- (No longer available on units manufactured on or after 2021/1/1)
Audio Output	- (The line out jack and speaker are no longer available on units manufactured on or after 2021/1/1)
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, HDD1-4
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)	2.51 kg
Weight (Gross)	4.05 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	120W adapter (12VDC), 100-240VAC
Power Consumption: Operating Mode, Typical	38.101 W
Fan	System: 1 x 120mm
System Warning	Buzzer
Kensington Security Slot	Yes
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.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

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