



## TS-453BT3-8G (Legacy)

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  For dual-DIMM configuration, you must use a pair of identical DDR3L modules.
Flash Memory	4GB (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 <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  The following are not hot-swappable: M.2 SSDs, SSD cache drives, SSDs using PCIe expansion slots.
M.2 Slot	2 x M.2 2280 SATA 6Gb/s SSD slots (pre-installed QM2 PCIe card)  The M.2 SSD is not included as standard.
SSD Cache Acceleration Support	Yes

Gigabit Ethernet Port (RJ45)	2
10 Gigabit Ethernet Port	1 x 10GBASE-T (10G/5G/2.5G/1G/100M) Pre-installed QM2 PCIe card
Wake on LAN (WOL)	Yes
Jumbo Frame	Yes
Thunderbolt Port	2 (Thunderbolt™ 3)  Supports only Thunderbolt connections for Windows & Mac hosts and USB storage devices. Third-party Thunderbolt external storage devices are not supported.
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.  The M.2 SATA SSD slots on this QM2 card only support M.2 2280 SATA 6Gb/s SSD, please check the compatibilities before purchase. PCIe bandwidth limitations will restrict the NAS 10GbE performance.
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
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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