TS-453BT3-8G

CPU	Processor: Intel® Celeron® J3455 quad-core 1.5 GHz, burst up to 2.3 GHz Architecture: 64-bit Graphics: Intel® HD Graphics 500 Encryption Engine: AES-NI
System Memory	8 GB RAM (2 x 4 GB DDR3L)
Maximum Memory	8 GB (2 x 4 GB)
Memory Slot	2 x SODIMM DDR3L
Drive Bay	4 x SATA 6 Gbps
Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
M.2 SSD Slot	2 x M.2 2280 SATA 6 Gbp/s SSD Note: The M.2 SSD is not included as standard.
SSD Cache Acceleration Support	Drive bays 1 to 4 M.2 slots 1 to 2 Optional: SSD using PCIe expansion slot
Hot-swappable	Yes The following are not hot-swappable: M.2 SSDs, SSD cache drives, SSDs using PCIe expansion slots.
10 Gigabit Ethernet Port	1 x 10GBASE-T RJ-45
Gigabit Ethernet Port	2 x RJ45
PCIe Slot	1 x PCIe 2.0 x2 Note: 1. Pre-installed with a QM2 expansion card (QM2-2S10G1TB) that includes a 10GbE 10GBASE-T port and two M.2 SATA SSD slots. 2. 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.
Thunderbolt Port	2 x Thunderbolt 3
USB Port	5 x USB 3.0 (Front: 1 x One Touch Copy; Back: 4)
HDMI Output	2 x HDMI 1.4b (up to 3840 x 2160 resolution at 30 Hz)
Audio	2 x 3.5 mm dynamic microphone jacks 1 x 3.5 mm line-out jack 1 x speaker Note: You cannot use the speakers and the line-out jack simultaneously.
Display Panel	Monochrome OLED display with capacitive sensing Enter and Select buttons
USB One Touch Copy	Front: USB 3.0 Type-A

IR sensor	QNAP RM-IR004 remote control (MCE compatible)
Form Factor	Tower
Dimensions (H x W x D)	168 x 170 x 226 mm 6.61 x 6.69 x 8.90 inch
Weight	Net: 2.51kg(5.53 lbs)/ Gross: 4.05kg (8.93 lbs)
Power Supply Unit	120W, 100-240V AC, 50/60Hz
Fan	System: 1 x 12 cm
Operating Temperature & Relative Humidity	0 to 40˚C (32 to 104˚F), 5 to 95% non-condensing, wet-bulb 27˚C (80.6˚F)
Security Slot	Kensington security slot

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.