QNAP

TS-453BT3-8G

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
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	4 x 2.5-inch or 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	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)
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 3.0 port	5
USB 3.1 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	2 x 3.5mm microphone jack (dynamic microphone only)
Audio Output	1 x built-in speaker, 1 x line out jack (for amplifier or headphone amplifier)
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
Weight (Net)	2.51
Weight (Gross)	4.05
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, 120W, 100-240V
Power Consumption: Operating Mode, Typical	38.101
Fan	System: 1 x 12 cm
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.