QNAP

TS-451DeU-2G

CPU	Intel® Celeron® J4025 dual-core 2.0 GHz processor (burst up to 2.9 GHz)
CPU Architecture	64-bit x86
Graphic Processors	Intel® HD Graphics 600
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	2 GB SO-DIMM DDR4 (1 x 2 GB)
Maximum Memory	8 GB (2 x 4GB)
Memory Slot	2 x SO-DIMM DDR4
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 SSD Slot	2 x M.2 2280 SATA 6Gb/s slots
SSD Cache Acceleration Support	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2
Jumbo Frame	Yes
USB 2.0 port	2
USB 3.2 Gen 1 port	2
Form Factor	1U Rackmount
LED Indicators	Power/Status, LAN, USB, HDD1-2, M.2 SSD 1-2

Buttons	Power, Reset
Dimensions (HxWxD)	44 × 430 × 295 mm
Weight (Net)	4.15 kg
Weight (Gross)	5.79 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	100W PSU, 100-240V
Power Consumption: HDD Sleep Mode	13.18 W
Power Consumption: Operating Mode, Typical	28.02 W
Fan	3 x 40mm
Sound Level	21.6 db(A)
System Warning	Buzzer
Kensington Security Slot	Yes
Max. Number of Concurrent Connections (CIFS)	800

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.