

TS-453BU-RP-4G

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| 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) |
| System Memory | 4GB DDR3L (2 x 2 GB) |
| Maximum Memory | 8 GB (2 x 4GB) |
| Memory Slot | 2 x SO-DIMM 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 bays: 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 | Optional via a PCIe adapter |
| SSD Cache Acceleration Support | Drive bays 1 to 2 |
| Gigabit Ethernet Port (RJ45) | 4 |
| 10 Gigabit Ethernet Port_note | Optional via PCIe expansion card |
| Jumbo Frame | Yes |
| PCIe Slot | 1 Slot 1: PCIe Gen 2 x2 |
| USB 3.0 port | 4 |
| USB 3.1 Gen 2 (10Gbps) Port | Optional via a PCIe adapter |
| HDMI Output | 1, HDMI 1.4b |
| Form Factor | 1U Rackmount |
| LED Indicators | HDD 1-4, Status, LAN, Expansion, Power |
| Buttons | Power, Reset |

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| Dimensions (HxWxD) | 44 × 439 × 499 mm |
| Weight (Net) | 9.27 kg |
| Weight (Gross) | 11.3 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 | ATX 250W (x2), Input: 100V-240V ~ / 5A-2.5A, 50Hz-60Hz |
| Power Consumption: HDD Sleep Mode | 35.4 W |
| Power Consumption: Operating Mode, Typical | 47.61 W |
| Fan | 2 x 40mm, 12V DC |
| Sound Level | 36.9 db(A) |
| System Warning | Buzzer |

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.