



TS-453E-8G

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| CPU | Intel® Celeron® J6412 4-core/4-thread processor, burst up to 2.6 GHz |
| CPU Architecture | 64-bit x86 |
| Graphic Processors | Intel® UHD Graphics |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| Hardware-accelerated Transcoding | Yes |
| System Memory | 8 GB on board (non-expandable) |
| Maximum Memory | 8GB |
| Flash Memory | 4GB (Dual boot OS protection) |
| Drive Bay | 4 x 3.5-inch SATA 6Gb/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 Slot | 2 x M.2 2280 PCIe Gen 3 x2 |
| SSD Cache Acceleration Support | Yes |
| 2.5 Gigabit Ethernet Port (2.5G/1G/100M) | 2 (2.5G/1G/100M/10M) |
| Jumbo Frame | Yes |
| USB 2.0 port | 2 |
| USB 3.2 Gen 2 (10Gbps) Port | 2 x Type-A |
| HDMI Output | 2 x HDMI 1.4b (up to 3840 x 2160 @ 30Hz) |
| Form Factor | Tower |

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| LED Indicators | Power/Status, LAN, USB, HDD1-4 |
| Buttons | Power, Reset, USB Auto Copy |
| Dimensions (HxWxD) | 177 × 180 × 235 mm |
| Weight (Net) | 3 kg |
| Weight (Gross) | 4.3 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 | 90W adapter, 100-240V |
| Power Consumption: HDD Sleep Mode | 15.78 W |
| Power Consumption: Operating Mode, Typical | 33.88 W |
| Fan | 1 x 120mm, 12VDC |
| System Warning | Buzzer |
| Kensington Security Slot | Yes |
| 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.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

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