



## TS-453E-8G

|                                          |                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------|
| 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<br>2.5-inch SATA hard disk drives<br>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)                                                                                 |
| Wake on LAN (WOL)                        | Yes                                                                                                  |
| 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                                            |
| 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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