



## TS-1685-D1531-64G (By Request)

|                                |                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------|
| CPU                            | Intel® Xeon® D-1531 6-core 2.2 GHz processor                                                         |
| CPU Architecture               | 64-bit x86                                                                                           |
| Floating Point Unit            | Yes                                                                                                  |
| Encryption Engine              | Yes (AES-NI)                                                                                         |
| System Memory                  | 64GB non-ECC RAM (16GB UDIMM x 4)                                                                    |
| Maximum Memory                 | UDIMM: 64 GB (4 x 16 GB)<br>RDIMM: 128GB (4 x 32 GB)                                                 |
| Memory Slot                    | 4 x Long-DIMM DDR4                                                                                   |
| Flash Memory                   | 512MB (DOM for dual OS)                                                                              |
| Drive Bay                      | 12 x 3.5-inch + 4 x 2.5-inch SATA 6Gb/s, 3Gb/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 SSD Slot                   | 6 x M.2 22110/2280/2260/2242 SATA 6Gb/s slot                                                         |
| SSD Cache Acceleration Support | Yes                                                                                                  |
| Gigabit Ethernet Port (RJ45)   | 4                                                                                                    |
| 10 Gigabit Ethernet Port       | 2 x 10GBASE-T                                                                                        |
| Jumbo Frame                    | Yes                                                                                                  |
| PCIe Slot                      | 3<br>Slot 1: PCIe Gen 3 x8<br>Slot 2: PCIe Gen 2 x4<br>Slot 3: PCIe Gen 3 x8                         |
| USB 3.2 Gen 1 port             | 3                                                                                                    |
| Audio Output                   | 1 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers)                           |

|                                              |                                                  |
|----------------------------------------------|--------------------------------------------------|
| Form Factor                                  | Tower                                            |
| LED Indicators                               | System status, 2.5" SSD, M.2 SSD, 3.5" HDD       |
| LCD Display/ Button                          | Yes                                              |
| Buttons                                      | Power, Reset, USB Auto Copy                      |
| Dimensions (HxWxD)                           | 303.84 × 369.89 × 319.8 mm                       |
| Weight (Net)                                 | 13.39 kg                                         |
| Weight (Gross)                               | 15.96 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                            | 100-240V~, 3-1.5A, 60-50Hz, 550W PSU             |
| Power Consumption: HDD Sleep Mode            | 61.36 W                                          |
| Power Consumption: Operating Mode, Typical   | 127 W                                            |
| Fan                                          | System fan: 3 x 92mm, 12VDC<br>CPU fan: 2 x 90mm |
| Sound Level                                  | 22.5 db(A)                                       |
| System Warning                               | Buzzer                                           |
| Kensington Security Slot                     | Yes                                              |
| Max. Number of Concurrent Connections (CIFS) | 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.

\* 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.