



TS-2888X-W2195-512G (By Request)

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|--------------------------------|---|
| CPU | Intel® Xeon® W-2195 18-core 2.3 GHz Processor (burst up to 4.3 GHz) |
| CPU Architecture | 64-bit x86 |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 512 GB LRDIMM DDR4 ECC (8 x 64GB) |
| Maximum Memory | 512 GB (8 x 64GB) |
| Memory Slot | 8 x R-DIMM/LR-DIMM DDR4 |
| Flash Memory | 4GB (Dual boot OS protection) |
| Drive Bay | 8 x 3.5-inch + 20 x 2.5-inch |
| Drive Compatibility | <p>3.5-inch bays: 3.5-inch SATA 6Gb/s, 3Gb/s hard disk drives 2.5-inch SATA 6Gb/s, 3Gb/s hard disk drives 2.5-inch SATA 6Gb/s, 3Gb/s solid state drives</p> <p>2.5-inch bays: U.2 slot: 2.5-inch U.2 NVMe Gen3 x4/x2 solid state drives SATA slot: 2.5-inch SATA 6Gb/s, 3Gb/s solid state drives</p> |
| Hot-swappable | Yes |
| SSD Cache Acceleration Support | Yes |
| Gigabit Ethernet Port (RJ45) | 4 |
| 10 Gigabit Ethernet Port | 2 x 10GBASE-T |
| Jumbo Frame | Yes |

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| PCIe Slot | 8 Slot 1: PCIe Gen 3 x8 or x4 (CPU) Slot 2: PCIe Gen 3 x4 (CPU) Slot 3: PCIe Gen 3 x8 or x4 (CPU) Slot 4: PCIe Gen 3 x4 (CPU) Slot 5: PCIe Gen 3 x8 or x4 (CPU) Slot 6: PCIe Gen 3 x4 (CPU) Slot 7: PCIe Gen 3 x4 (PCH) Slot 8: PCIe Gen 3 x4 (PCH) |
| USB 2.0 port | 4 |
| USB 3.2 Gen 1 port | 6 |
| Audio Input | 2 x 3.5mm dynamic microphone input jacks |
| Audio Output | 1 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers) |
| Form Factor | Tower |
| LED Indicators | 3.5-inch HDD, 2.5-inch SSD, 2.5" U.2 SSD, Status, LAN, USB port status |
| LCD Display/ Button | Yes |
| Buttons | Power, Reset, USB Copy |
| Dimensions (HxWxD) | 612 × 374 × 448 mm |
| Weight (Net) | 26.7 kg |
| Weight (Gross) | 31.46 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 | 2000W PSU, 200-240Vac, Max Wattage: 2000W@200-240Vac 1500W@115-200Vac 1200W@110-115Vac |
| Power Consumption: Operating Mode, Typical | 221.1 W |
| Fan | 1 x 90mm, 12VDC 9 x 120mm, 12VDC |
| Sound Level | 33.6 db(A) |
| System Warning | Voice prompts or Buzzer |
| Max. Number of Concurrent Connections (CIFS) | 700 |

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.