



TDS-h2489FU-4309Y-64G

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| CPU | 2 x Intel® Xeon® Silver 4309Y 8-core/16-thread processor, up to 3.6 GHz |
| CPU Architecture | 64-bit x86 |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 64 GB RDIMM DDR4 ECC (8 x 8 GB) |
| Memory Slot | 32 x RDIMM DDR4 ECC (16 x slots per socket) |
| Flash Memory | 5GB (Dual boot OS protection) |
| Drive Bay | 24 x 2.5-inch |
| Drive Compatibility | 2.5-inch bays: 2.5-inch SATA hard disk drives (#17-24) 2.5-inch SATA solid state drives (#17-24) 2.5-inch U.2 NVMe PCIe Gen4 x4 solid state drives |
| Hot-swappable | Yes |
| M.2 Slot | 2 Slot 1: M.2 2280 NVMe PCIe Gen 3 x4 or SATA 6Gb/s Slot 2: M.2 2280 NVMe PCIe Gen 3 x2 or SATA 6Gb/s |
| SSD Cache Acceleration Support | Yes |
| SR-IOV | Yes |
| 2.5 Gigabit Ethernet Port (2.5G/1G/100M) | 4 (also support 10M) |
| 25 Gigabit Ethernet Port | 2 x 25GbE SFP28 SmartNIC port |
| Wake on LAN (WOL) | Yes |
| Jumbo Frame | Yes |
| PCIe Slot | 2 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x8 |
| USB 3.2 Gen 1 port | 4 |
| Form Factor | Rackmount |

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| LED Indicators | SSD, Status, Power, Fan, Temperature, Power Module Status, Device Name, IP Address |
| Buttons | Power, Reset, OLED |
| Dimensions (HxWxD) | 88.3 × 446.2 × 713.2 mm |
| Weight (Net) | 21.31 kg |
| Weight (Gross) | 27.6 kg |
| Operating temperature | 0 - 35°C (32°F - 95°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 | 1200W PSU(x2), 100-240Vac Max Wattage: 1200W@200-240Vac 1000W@100-127Vac |
| Power Consumption: Operating Mode, Typical | 467.59 W |
| Fan | 6 x 60mm, 12VDC |
| System Warning | Buzzer |
| Max. Number of Concurrent Connections (CIFS) - with Max. Memory | 10,000 |

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. Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.