



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) |
| Maximum Memory | 1 TB (32 x 32 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 (2.5G/1G/100M/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 |

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| Form Factor | Rackmount |
| 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. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

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