



TDS-16489U-SB2 (Legacy)

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| CPU | Intel® E5-2630 v3 8-core 2.4 GHz processor x2 *Available with customization requirement |
| CPU Architecture | 64-bit x86 |
| Floating Point Unit | Yes |
| Encryption Engine | Yes (AES-NI) |
| Hardware-accelerated Transcoding | Optional via a PCIe graphics card (QTS) |
| System Memory | 128GB RDIMM DDR4 (8 x 16GB) |
| Maximum Memory | RDIMM/LRDIMM: 1 TB (16 x 64 GB) |
| Memory Slot | 16 x RDIMM DDR4 You can only use one type of dual in-line memory module (DIMM) at a time. Do not use registered DIMM (RDIMM) with load-reduction DIMM (LRDIMM) memory. For the memory installation guidelines, see chapter 5 of the TDS-16489U User Guide . |
| Flash Memory | 512MB (DOM for dual OS) |
| Drive Bay | Front: 16 x 3.5-inch Rear: 4 x 2.5-inch |
| Drive Compatibility | 3.5-inch bays: 3.5-inch SATA/SAS hard disk drives 2.5-inch SATA/SAS hard disk drives 2.5-inch SATA/SAS solid state drives 2.5-inch bays: 2.5-inch SATA/SAS solid state drives |
| Hot-swappable | Yes |
| SSD Cache Acceleration Support | Yes |
| GPU pass-through | Yes |
| SR-IOV | Yes |

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| Gigabit Ethernet Port (RJ45) | 2 For a list of compatible network adapters, please visit the Compatibility List . For instructions on how to install network adapters, please refer to Chapter 6 of the QNAP NAS Hardware Manual . |
| 10 Gigabit Ethernet Port | 4 x 10GbE SFP+ |
| Wake on LAN (WOL) | Yes |
| Jumbo Frame | Yes |
| PCIe Slot | 4 Slot 1: PCIe Gen 3 x16 Slot 2: PCIe Gen 3 x8 Slot 3: PCIe Gen 3 x8 Slot 4: PCIe Gen 3 x8 |
| USB 3.2 Gen 1 port | 4 |
| IPMI | 1 |
| Form Factor | 3U Rackmount |
| LED Indicators | HDD 1-16, Status, 10 GbE, LAN, storage expansion port status |
| Buttons | Power, Reset |
| Dimensions (HxWxD) | 130.8 × 444 × 744 mm |
| Weight (Net) | 22.42 kg |
| Weight (Gross) | 30.19 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 | Redundant/ Hot Swap ATX Power Supply, Input: 50-60 Hz 100-127V~/ 10A 200-240V/ 5A Output: 770W |
| Power Consumption: HDD Sleep Mode | 254.21 W |
| Power Consumption: Operating Mode, Typical | 362.86 W |
| Fan | 4 x 60mm smart cooling fan (12V DC) |
| System Warning | Buzzer |
| Standard Warranty | 5 |
| Max. Number of Concurrent Connections (CIFS) - with Max. Memory | 10000 |

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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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