

## TDS-h6889AXU-RP-12C-64G

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|---|---|
| Number of Controller Module | 2 |
| CPU | Intel® Xeon® Silver 12-core, up to 3.9 GHz |
| CPU Architecture | 64-bit x86 |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 64 GB RDIMM DDR5 ECC |
| Maximum Memory | 512GB |
| Memory Slot | 16 x ECC RDIMM DDR5 |
| Flash Memory | Pre-installed M.2 NVMe SSD for system setup |
| Drive Bay | 68 (60 x 3.5-inch SAS/SATA + 6 x 2.5-inch NVMe + 2 x 2.5-inch SATA) |
| Drive Compatibility | 3.5-inch bays: 3.5-inch SAS / SATA HDD<br>2.5-inch bays: 2.5-inch U.2 NVMe PCIe / SATA SSD |
| Hot-swappable | Yes |
| Gigabit Ethernet Port (RJ45) | 3 (assign one for remote management) |
| 25 Gigabit Ethernet Port | 2 x 25GbE SFP28 |
| PCIe Slot | 6<br>Slot 1: PCIe Gen5 x16<br>Slot 2: PCIe Gen5 x16<br>Slot 3: PCIe Gen5 x16<br>Slot 4: PCIe Gen5 x8<br>Slot 5: PCIe Gen5 x16<br>Slot 6: PCIe Gen5 x16<br><br>Slot 1 default: 25GbE Expansion Card<br>Slot 4 default: 1 x SAS/SATA HBA; relocation to other slots is not supported. |
| USB 3.2 Gen 1 port | 2 |
| Form Factor | 4U |

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| LED Indicators | System Power LED (Green): on/off<br>System Status (Green/ Red): in operation, system errors, low power, degraded RAID mode, memory failure, fan/power supply failure, system/disk temperature too high, storage pool reaching threshold value, system performing take-over, power supply unit unplugged<br>LCD Status Display (Two-digit number): Status of JBOD connection |
| Buttons | Power, Reset |
| Dimensions (HxWxD) | 176 × 434 × 853 mm |
| Weight (Gross) | 80 kg |
| Operating Temperature | 0 - 35°C (32°F - 95°F) |
| Storage Temperature | -10 - 60°C (14°F - 140°F) |
| Relative Humidity | 5-95% RH non-condensing, wet bulb: 27˚C (80.6˚F) |
| Power Supply Unit | 800W(x4) |
| Power Consumption: Operating Mode, Typical | 1088 W<br><br>Tested with drives fully populated. |
| Fan | Hot-swappable fan module (4*80*38mm x 4) |
| Standard Warranty | 5 years |

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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