

TDS-h6889AXU-RP-12C-128G

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	128 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 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 Slot 1: PCIe Gen5 x16 Slot 2: PCIe Gen5 x16 Slot 3: PCIe Gen5 x16 Slot 4: PCIe Gen5 x8 Slot 5: PCIe Gen5 x16 Slot 6: PCIe Gen5 x16 Slot 1 default: 25GbE Expansion Card 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

LED Indicators	System Power LED (Green): on/off 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 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	1104 W 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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