



TS-h1090FU-7232P-64G

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| CPU | AMD EPYC™ 7232P/7252 8-core/16-thread processor, up to 3.2 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+ (12 x 128 GB) |
| Memory Slot | 12 x RDIMM DDR4 |
| Flash Memory | 5GB (Dual boot OS protection) |
| Drive Bay | 10 x 2.5-inch U.2 PCIe NVMe / SATA 6Gbps The system is shipped without SSD. For the SSD compatibility list, please visit https://www.qnap.com/compatibility/ |
| Drive Compatibility | 2.5-inch U.2 NVMe Gen 4 x4 solid state drives 2.5-inch SATA solid state drives |
| Hot-swappable | Yes |
| SSD Cache Acceleration Support | Yes |
| SR-IOV | Yes |
| 2.5 Gigabit Ethernet Port (2.5G/1G/100M) | 2 (2.5G/1G/100M/10M) |
| 25 Gigabit Ethernet Port | 2 x 25GbE SFP28 SmartNIC port |
| Wake on LAN (WOL) | Yes Only the 2.5GbE port |
| Jumbo Frame | Yes |

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| PCIe Slot | 2 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x16 For low profile PCIe cards only. Card dimensions for PCIe slot 1 : 198 x 68.9 x 18.76 mm / 7.8 x 2.71 x 0.74 inches. Card dimensions for PCIe slot 2 : 250 x 68.9x 18.76 mm / 9.84 x 2.71 x 0.74 inches. Wider cards can be installed if the next PCIe slot will not be used. |
| USB 3.2 Gen 1 port | 3 |
| Form Factor | Rackmount |
| LED Indicators | Disk, Status, LAN, storage expansion port status |
| Buttons | Power, Reset |
| Dimensions (HxWxD) | 44 × 430 × 580 mm |
| Weight (Net) | 10.33 kg |
| Weight (Gross) | 13.38 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 | 550W PSU (x2), AC 100-240 V |
| Power Consumption: Operating Mode, Typical | 157.97 W Tested with drives fully populated. |
| Fan | 5 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. 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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