



TS-h2490FU-7302P-128G

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| CPU | AMD EPYC™ 7302P 16-core/32-thread processor, up to 3.3 GHz |
| CPU Architecture | 64-bit x86 |
| Encryption Engine | Yes (AES-NI) |
| System Memory | 128 GB RDIMM DDR4 ECC (8 x 16 GB) |
| Maximum Memory | 4 TB (16 x 256 GB) |
| Memory Slot | 16 x RDIMM DDR4 |
| Flash Memory | 5GB (Dual boot OS protection) |
| Drive Bay | 24 x 2.5-inch U.2 PCIe NVMe |
| Drive Compatibility | <p>The system is shipped without SSD. For the SSD compatibility list, please visit https://www.qnap.com/compatibility/</p> <p>2.5-inch U.2 NVMe Gen 3 x4 solid state drives</p> |
| 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) |
| 25 Gigabit Ethernet Port | 4 x 25GbE SFP28 SmartNIC port |
| Wake on LAN (WOL) | <p>Yes</p> <p>Only the 2.5GbE port</p> |
| Jumbo Frame | Yes |

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| PCIe Slot | <p>5</p> <p>Slot 1: PCIe Gen4 x4</p> <p>Slot 2: PCIe Gen4 x8 or x4</p> <p>Slot 3: PCIe Gen4 x4</p> <p>Slot 4: PCIe Gen4 x8</p> <p>Slot 5: PCIe Gen4 x16 or x8</p> <p>*Slot 4 and Slot 5 are preinstalled with 25GbE network adapters. Please reserve these slots for the 25GbE adapters for the best performance.</p> <p>**Slot 2 provides the width of PCIe Gen4 x8 when Slot 3 is not in use, and provides the width of PCIe Gen4 x4 when Slot 3 is in use.</p> <p>***Slot 5 provides the width of PCIe Gen4 x16 when Slot 4 is not in use, and provides the width of PCIe Gen4 x8 when Slot 4 is in use.</p> <p>Card dimensions for PCIe slot 1 : 225 x 68.9 x 28.76 mm / 8.86 x 2.71 x 1.13 inches.</p> <p>Card dimensions for PCIe slot 2 : 225 x 68.9 x 18.76 mm / 8.86 x 2.71 x 0.74 inches.</p> <p>Card dimensions for PCIe slot 3 : 225 x 68.9 x 18.76 mm / 8.86 x 2.71 x 0.74 inches.</p> <p>Card dimensions for PCIe slot 4 : 225 x 68.9 x 39.08 mm / 8.86 x 2.71 x 1.54 inches.</p> <p>Card dimensions for PCIe slot 5 : 225 x 68.9 x 18.76 mm / 8.86 x 2.71 x 0.74 inches.</p> <p>Wider cards can be installed if the next PCIe slot will not be used.</p> |
| USB 3.2 Gen 1 port | 2 |
| Form Factor | Rackmount |
| LED Indicators | HDD, Status, 10 GbE, LAN, storage expansion port status |
| Buttons | Power, Reset |
| Dimensions (HxWxD) | 88.3 × 480.97 × 510.23 mm |
| Weight (Net) | 15.2 kg |
| Weight (Gross) | 21.86 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 | 1100W PSU(x2), 100-240Vac, Max Wattage: 1100W@200-240Vac 850W@100-240Vac |
| Power Consumption: Operating Mode, Typical | 277.64 W Tested with drives fully populated. |
| Fan | 4 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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