**QNAP**

## TS-h1290FX-7302P-256G

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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 | 256 GB RDIMM DDR4 ECC (8 x 32 GB) |
| Maximum Memory | 1 TB (8 x 128 GB) |
| Memory Slot | 8 x RDIMM DDR4 |
| Flash Memory | 5GB (Dual boot OS protection) |
| Drive Bay | 12 x 2.5-inch U.2 PCIe NVMe / SATA 6Gbps<br><br>The system is shipped without SSD.<br>For the SSD compatibility list, please visit https://www.qnap.com/compatibility/ |
| Drive Compatibility | 2.5-inch bays:<br>2.5-inch SATA solid state drives<br>2.5-inch U.2 NVMe PCIe Gen4 x4 solid state drives |
| Hot-swappable | Yes |
| SSD Cache Acceleration Support | Yes |
| GPU pass-through | 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<br><br>Only the 2.5GbE port |
| Jumbo Frame | Yes |

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|---|---|
| PCIe Slot | 4<br>Slot 1: PCIe Gen 4 x16<br>Slot 2: PCIe Gen 4 x16<br>Slot 3: PCIe Gen 4 x8<br>Slot 4: PCIe Gen 4 x16<br><br>Card dimensions for PCIe slot 1 ~ Slot 2 : 185 x 111.15 x 18.76 mm / 7.28 x 4.38 x 0.74 inches.<br>Card dimensions for PCIe slot 3 ~ Slot 4 : 280 x 111.15 x 18.76 mm / 11.02 x 4.38 x 0.74 inches.<br>Wider cards can be installed if the next PCIe slot will not be used. |
| USB 3.2 Gen 1 port | 3 |
| Form Factor | Tower |
| LED Indicators | Power/Status, LAN, USB, SSD1-12 |
| LCD Display/ Button | Yes |
| Buttons | Power, Reset, USB Auto Copy |
| Dimensions (HxWxD) | 6.19 × 14.49 × 14.25 inch<br><br>Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model) |
| Weight (Net) | 22.93 lbs |
| Weight (Gross) | 24.91 lbs |
| 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 | 750W, 100-240V |
| Power Consumption: Operating Mode, Typical | 134.41 W |
| Fan | 2 x 92mm, 12VDC |
| System Warning | Buzzer |
| Kensington Security Slot | Yes |
| Standard Warranty | 5 |
| 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 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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