



TS-h1290FX-7302P-256G

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
	The system is shipped without SSD. For the SSD compatibility list, please visit <u>https://www.qnap.com/compatibility/</u>
Drive Compatibility	2.5-inch bays: 2.5-inch SATA solid state drives 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
	Only the 2.5GbE port
Jumbo Frame	Yes

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InstrumeSubstrainSignalSignalSignalSignalSignalSignalForm FactorTowerLED IndicatorsPower/Status, LAN, USB, SSD1-12ButtonsPower/Status, LAN, USB, SSD1-12ButtonsPower, Reset, USB Auto CopyDimensions dn not include foot pad (not pad may be up to 30mm / 1.18 sinches high depending on model)Weight (Net)1.3 kgPorerating Temperature0.40 °C (32°F - 104°F)Storage Temperature0.40 °C (32°F - 104°F)Power Consumption;Sinche Consumption;Storage Temperature1.3 kgPower Consumption;Sinche Consumption;Storage TemperatureSinche C	PCIe Slot	Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x16 Slot 3: PCIe Gen 4 x8
Form FactorTowerForm FactorTower/Status, LAN, USB, SSD1-12LED IndicatorsPower/Status, LAN, USB, SSD1-12LLD Display/ ButtonYesButtonsPower, Reset, USB Auto CopyDimensions (HxWXD)157.2 × 368 × 362 mm Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches big depending on model)Weight (Net)104.4gVeight (Gross)11.3 kgOperating Temperature-0.4 0°C (2°F - 104°F)Relative Humidity5-95% RH non-condensing, wet bulb: 27°C (80.6°F)Power Songungtion: Operating Mode, Typie31.4.1 WSystem Warning4.2.4.2.2.2.1System WarningKeisKensington Security 50YesStandard Warnaty5Songungtoris5.0.2.2.2.1Standard WarnatySongungtingSindard WarnatySongungtingBandard WarnatySongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSongungtingSongungtorisSo		0.74 inches. 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.
LED Indicators Power/Status, LAN, USB, SSD1-12 LED Display/ Button Yes Buttons Power, Reset, USB Auto Copy Dimensions (HWXD) 157.2 × 368 × 362 mm Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model) Dimensions do not include foot pad may be up to 30mm / 1.18 inches high depending on model) Weight (Net) 10.4 kg Veight (Gross) 13.4 kg Operating Temperature 0-40 °C (32°F - 104°F) Relative Humidity -595% RH non-condensing, wet bulb: 27°C (80.6°F) Power Consumption: 15.4.1 W Operating Mode, Typic 34.41 W Storage Tem Warning 14.4.1 W System Warning 14.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	USB 3.2 Gen 1 port	3
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ButtonsPower, Reset, USB Auto CopyButtonsI57.2 × 368 × 362 mmDimensions (HxWxD)I57.2 × 368 × 362 mmWeight (Net)Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model)Weight (Net)10.4 kgWeight (Gross)13.8 gOperating Temperature0 - 40 °C (32°F - 104°F)Storage Temperature-0 - 70°C (-4°F - 158°F)Relative Humidity595% RH non-condensing, wet bulb: 27°C (80.6°F)Power Supply Unit750W, 100-240VPower Consumption: Operating Mode, Typical134.41 WSystem WarningBuzzerKensington Security StoYesStandard Warranty5Standard Warranty0.000	LED Indicators	Power/Status, LAN, USB, SSD1-12
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Number of Concurrent ConnectionsDimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model)Weight (Net)10.4 kgWeight (Gross)11.3 kgOperating Temperature0 - 40 °C (32° F - 104° F)Storage Temperature-20 - 70°C (-4° F - 158° F)Relative Humidity595% RH non-condensing, wet bulb: 27°C (80.6° F)Power Supply Unit750W, 100-240VPower Consumption: Operating Mode, Typical134.41 WSystem WarningBuzzerKensington Security StatYesStandard Warranty5Max. Number of CONCUTENT Connections CONCUTENT KMAX.10,000	Buttons	Power, Reset, USB Auto Copy
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Standard Warranty 5 Max. Number of Concurrent Connections (CIFS) - with Max. 10,000	System Warning	Buzzer
Max. Number of 10,000 Concurrent Connections (CIFS) - with Max.	Kensington Security Slot	Yes
Concurrent Connections (CIFS) - with Max.	Standard Warranty	5
	Concurrent Connections (CIFS) - with Max.	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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