QNAP

TS-h1290FX-7302P-128G

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	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
Drive Compatibility	2.5-inch bays: 2.5-inch SATA hard disk drives 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
Jumbo Frame	Yes
PCIe Slot	4 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x16 Slot 3: PCIe Gen 4 x8 Slot 4: PCIe Gen 4 x16
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)	150 × 368 × 362 mm
Weight (Net)	8.99 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	750W, 100-240V
Fan	2 x 92mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
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.
* Sound Level Test
Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.
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