



TS-h1090FU-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+ (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

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

Jumbo Frame Yes

PCIe Slot 2
Slot 1: PCIe Gen4 x16
Slot 2: PCIe Gen4 x16

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)	10.36 kg
Weight (Gross)	13.41 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
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.

* 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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Designs and specifications are subject to change without notice.