



QSN-3050

CPU Intel® Xeon® E-2378 8C 16T 2.6GHz, up to 4.8GHz

CPU Architecture 64-bit x86

Floating Point Unit Yes

Encryption Engine Yes (AES-NI)

System Memory 128 GB ECC DDR4

Maximum Memory 128 GB (4 x 32 GB)

Memory Slot 4 x ECC UDIMM DDR4

Flash Memory 5GB DOM (Disk on Module)

Drive Bay 30 (24 x 3.5-inch SATA + 6 x 2.5-inch SATA)

Drive Compatibility

- 3.5-inch bays:
- 3.5-inch SATA hard disk drives
- 2.5-inch SATA solid state drives

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Hot-swappable Yes (Not supported M.2 SSD)

M.2 Slot Optional via a QM2 PCIe adapter

SSD Cache Acceleration Support Yes

2.5 Gigabit Ethernet Port (2.5G/1G/100M) 2 (2.5G/1G/100M)

10 Gigabit Ethernet Port 2 x 10GBASE-T (10G/5G/2.5G/1G/100M)

25 Gigabit Ethernet Port Optional via a PCIe adapter

PCIe Slot 3 (2 x Gen4 x4 + 1 x Gen4 x8)

USB 3.2 Gen 2 (10Gbps) Port 4 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps

Form Factor 4U Rackmount

LED Indicators	Status (Green/Red) HDD status (Green/Red)
Buttons	Power, Reset
Dimensions (HxWxD)	176.2 × 441.6 × 630.2 mm
Weight (Net)	23.79 kg
Weight (Gross)	29.13 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	800W (x2) PSU, 100-240V
Power Consumption: Disk Standby Mode	149.92 W
Power Consumption: Operating Mode, Typical	219.03 W
Fan	4 x 80mm, 12VDC
Standard Warranty	5
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	11000

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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