

QNAP USA office will be closed on Monday, February 17th 2020, in observance of President's Day.



HARDWARE SPECS

SOFTWARE SPECS

PACKAGE CONTENTS

▶ **TS-1677X-1200-4G**



CPU AMD Ryzen™ 3 1200 4-core/4-thread 3.1 GHz processor (Turbo Core to 3.4 GHz)

CPU Architecture 64-bit x86

Graphic Processors Pre-Sales Online Chat [le](#) NAS Selector

Floating Point Unit



Encryption Engine

✓ (AES-NI)

Hardware-accelerated
Transcoding

Optional via a PCIe adapter

System Memory

4 GB UDIMM DDR4 (1 x 4 GB)

Maximum Memory

64 GB (4 x 16 GB)

Memory Slot

4 x U-DIMM DDR4

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Flash Memory 5GB (Dual boot OS protection)

Drive Bay 12 x 3.5-inch + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s

Drive Compatibility

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

2.5-inch bays:
2.5-inch solid state drives

Hot-swappable 

M.2 SSD Slot Optional via a PCIe adapter

SSD Cache Acceleration Support



Gigabit Ethernet Port (RJ45)

4

10 Gigabit Ethernet Port

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

Please use Cat 6a or Cat 7 LAN cables (sold separately) to achieve 10GbE speed over longer distance.

Jumbo Frame



PCIe Slot

3

Slot 1: PCIe Gen 3 x8

Slot 2: PCIe Gen 3 x4

Slot 3: PCIe Gen 2 x4

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USB 3.0 port 8

USB 3.1 Gen 2 (10Gbps) Port Optional via a PCIe adapter

IR Sensor  (QNAP RM-IR004)

HDMI Output Optional via a PCIe adapter

Audio Input 2 x 3.5 mm dynamic microphone jacks

Audio Output 1 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers)

You cannot use the speakers and the line-out jack simultaneously.

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Form Factor

Tower

LED Indicators

System status, 2.5" SSD, 3.5" HDD

LCD Display/ Button



Buttons

Power, Reset, USB Copy

Dimensions (HxWxD)

11.96 × 14.56 × 12.59 inch

Weight (Net)

29.52 lbs

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Weight (Gross) 35.19 lbs

Operating temperature 0 - 40 °C (32°F - 104°F)

Relative Humidity 5-95% RH non-condensing, wet bulb: 27 °C (80.6 °F)

Power Supply Unit 550W, 100-240V AC, 50/60 Hz, with additional graphics card power cables

Power Consumption: Operating Mode, Typical 97.33 W

Fan System fan: 3 x 92mm, 12VDC
CPU fan: 2 x 90mm

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Sound Level

23.3 db(A)

System Warning

Buzzer

Kensington Security Slot



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.

Designs and specifications are subject to change without notice.

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