



HARDWARE SPECS

SOFTWARE SPECS

PACKAGE CONTENTS

▶ TS-1277XU-RP-2600-8G

CPU	AMD Ryzen™ 5 2600 6-core 3.4 GHz processor, Turbo Core 3.9 GHz
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CPU Architecture	64-bit x86
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Floating Point Unit	✓
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Encryption Engine

✔ (AES-NI)

System Memory

8 GB UDIMM DDR4 (2 x 4GB)

Maximum Memory

64 GB (4 x 16 GB)

Memory Slot

4 x Long-DIMM DDR4

Flash Memory

5GB (Dual boot OS protection)

Drive Bay

12 x 3.5-inch SATA 6Gb/s, 3Gb/s

Drive Compatibility

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

Hot-swappable



SSD Cache Acceleration Support



Gigabit Ethernet Port (RJ45)

2

10 Gigabit Ethernet Port

2 x 10GbE SFP+ SmartNIC port

Jumbo Frame



PCIe Slot

4

Slot 1: PCIe Gen 3 x4

Slot 2: PCIe Gen 3 x8 or PCIe Gen 3 x4*

Slot 3: PCIe Gen 3 x4

Slot 4: PCIe Gen 3 x8 or PCIe Gen 3 x4**

*Slot 2 provides the width of PCIe Gen.3 x8 when Slot 1 is not in use, and provides the width of PCIe Gen.3 x4 when Slot 1 is in use.

**Slot 3 provides the width of PCIe Gen.3 x8 when Slot 4 is not in use, and provides the width of PCIe Gen.3 x4 when Slot 4 is in use.

USB 3.0 port

4

USB 3.1 Gen 2 (10Gbps) Port

1 x Type-C USB 3.1 Gen2 5V/3A 10Gbps

1 x Type-A USB 3.1 Gen2 5V/1A 10Gbps

Form Factor

2U Rackmount

LED Indicators

HDD 1-12, Status, LAN, storage expansion port status

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Buttons

Power, Reset

Dimensions (HxWxD)

3.48 × 18.98 × 22.13 inch

Weight (Net)

30.27 lbs

Weight (Gross)

35.27 lbs

Operating temperature

0 - 40 °C (32°F - 104°F)

Relative Humidity

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

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Power Supply Unit	300W (x2), 100-240V
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Power Consumption: Operating Mode, Typical	106.66 W
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With drives fully populated

Fan	System fan: 2 x 70mm, 12VDC
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Sound Level	37.2 db(A)
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System Warning	Buzzer
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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: Bvstander Position: Average distance from 1 meter in front of operating NAS.

Designs and specification.

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