



HARDWARE SPECS

SOFTWARE SPECS

PACKAGE CONTENTS

## ▶ **HS-453DX-8G**



CPU

Intel® Celeron® J4105 quad-core 1.5 GHz processor (burst up to 2.5 GHz)

CPU Architecture

64-bit x86

Graphic Processors

Intel® HD Graphics 600

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Floating Point Unit



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Encryption Engine

✓ (AES-NI)

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Hardware-accelerated  
Transcoding



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System Memory

8 GB SO-DIMM DDR4 (2 x 4 GB)

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Maximum Memory

8 GB (2 x 4 GB)

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Memory Slot

2 x SO-DIMM DDR4

For dual-DIMM configuration, you must use a pair of identical RAM modu

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Flash Memory	4GB (Dual boot OS protection)
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Drive Bay	2 x 3.5-inch SATA 6Gb/s, 3Gb/s
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The system is shipped without HDD.  
For the HDD compatibility list, please visit  
<https://www.qnap.com/compatibility/>

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Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
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Hot-swappable	✓
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M.2 SSD Slot	2 x M.2 2280 SATA 6Gb/s slots
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SSD Cache Acceleration Support



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Gigabit Ethernet Port (RJ45)

1

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10 Gigabit Ethernet Port

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

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Jumbo Frame



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USB 2.0 port

2

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USB 3.0 port

3 (1 x USB-C, 2 x USB-A)

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IR Sensor

✓ (RM-IR004)

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HDMI Output

2, HDMI 2.0 (up to resolution 3840 x 2160 @ 60Hz) + HDMI 1.4b (up to 3840 x 2160 @ 30Hz)

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Audio Input

2 x 3.5mm dynamic microphone input jacks

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Audio Output

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

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Form Factor

Set-top design

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LED Indicators

Power/Status, HDD1-2

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Buttons

Power, Reset

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Dimensions (HxWxD)

1.72 × 15.91 × 8.66 inch

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Weight (Net)

5.29 lbs

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Weight (Gross)

8.53 lbs

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Operating temperature

0 - 35 °C (32°F - 95°F)

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Relative Humidity

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

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Power Supply Unit

External Power Adapter, 90W, 100-240V

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Power Consumption: HDD  
Sleep Mode

13.55 W

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Power Consumption: Operating  
Mode, Typical

22.38 W

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Sound Level

6.2 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; Bystander Position; Average data from 1 meter front of operating NAS.

Designs and specifications are subject to change without notice.

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