



HARDWARE SPECS

SOFTWARE SPECS

PACKAGE CONTENTS

► **TBS-453DX-8G**



CPU	Intel® Celeron® J4105 quad-core 1.5 GHz processor (burst up to 2.5 GHz)
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CPU Architecture	64-bit x86
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Graphic Processors	Intel® HD Graphics 600
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Floating Point Unit



Encryption Engine



Hardware-accelerated
Transcoding



System Memory

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

Maximum Memory

8 GB (2 x 4 GB)

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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M.2 SSD Slot	4 x M.2 2280 SATA 6Gb/s slots
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The system is shipped without SSD.
For the SSD compatibility list, please visit <https://www.qnap.com/compatibility/>

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	4
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USB 3.0 port	3
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IR Sensor	✓ (RM-IR004)
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HDMI Output	1, HDMI 2.0 (up to resolution 3840 x 2160 @ 60Hz)
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Audio Input	2 x 3.5mm dynamic microphone input jacks
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Audio Output	2 x built-in speaker, 1 x 3.5mm line out jack (for amplifiers or speakers)
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Form Factor

Set-top design

LED Indicators

SSD1-4

Buttons

Power, Reset, Copy, Audio volume

Dimensions (HxWxD)

1.18 × 9.06 × 6.5 inch

Weight (Net)

1.76 lbs

Weight (Gross)

3.75 lbs

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Operating temperature	0 - 40 °C (32°F - 104°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, 65W, 100-240V
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Power Consumption: HDD Sleep Mode	12.38 W
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Power Consumption: Operating Mode, Typical	16.52 W
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Fan	1 x system fan
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Sound Level	15.8 db(A)
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System Warning	Voice prompts, Buzzer
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Kensington Security Slot	✓
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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 in front of operating NAS.

Designs and specifications are subject to change without notice.

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