



# HP 512GB PCIe-4x4 Solid State Drive (B8BD5AA)

## Overview

### The Speed and Space You Need

Upgrade your capacity for uninterrupted, undeterred, unbelievably fast speed and high performance with this HP 512 GB PCIe-4x4 NVMe Solid State Drive.[1] Make way for everything you need to get done, at once, with state-of-the-art processing power.



### More Storage, More Everything

Expand your laptop's storage for speed, space, and seamless productivity. With the HP 512 GB PCIe-4x4 NVMe Solid State Drive, you'll have plenty of room to work, play, and multitask with ease.[1] Open your workspace for more and start thinking about storage less.



### Durable. Reliable. Undeniable.

Invest in genuine HP-branded SSD that's tested,[2] certified, and built for HP laptops. Robust and reliable, this product even comes with a 3-year limited warranty, just in case.



### Powerfully Efficient

Upgrading to this 512 GB SSD doesn't just expand your RAM, it increases the overall computing power of your HP laptop, opening the floodgates of speed.[1] It's also extremely efficient, so all that power doesn't drain your battery instantly or heat everything up.

## Features

### Power Through the Day

This speedy solid state drive lets you multitask, toggle, and shift between all your applications quickly. Upgrade now and leave waiting behind.

### Easy Installation

Follow the extremely easy visual steps to install your brand new SSD in minutes. You don't need to contact IT or take in your laptop, just follow the instructions and get ready to power up a new level of speed.

### HP Quality

Engineered to ensure the maximum quality and reliability that comes with decades of innovation. Get the storage you need.

### HP-Tested with a 3-Year Warranty

Stay focused on what matters. Invest in genuine HP-branded SSD that's tested and certified for HP laptops, with a handy 3-year limited warranty, just in case.<sup>[2]</sup>

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[1] For storage drives, GB = 1 billion bytes. Actual formatted capacity is less.

[2] HP Total Test Process testing is not a guarantee of future performance under these test conditions.

## Specifications

<b>Product Dimensions (metric)</b>	80 x 22 x 1.5 mm
<b>Product Dimensions (imperial)</b>	3.15 x 0.87 x 0.06 in
<b>Weight (metric)</b>	8 g
<b>Weight (imperial)</b>	0.02 lb
<b>Package Dimensions (metric)</b>	232 x 148 x 10 mm
<b>Package Weight (metric)</b>	60 g
<b>Sustainable Impact Specifications</b>	30% post-consumer recycled plastic; 100% of HP paper-based packaging is from recycled or certified sustainable sources
<b>System Requirements, Minimum</b>	M.2 port
<b>UPC Number</b>	198990490267
<b>Manufacturer Warranty</b>	HP Three-year limited warranty
<b>What Is In The Box</b>	Solid state drive; Quick start poster; Warranty card; Screw; Tube; Paper bag

## Additional specifications

<b>Capacity Native</b>	512 GB <sup>[1]</sup>
<b>Cartons Per Layer</b>	20
<b>Cartons Per Pallet</b>	100
<b>Compatibility Statement</b>	HP EliteBook X G1i 14 inch Notebook Next Gen AI PC; HP EliteBook X Flip G1i 14 inch Notebook Next Gen AI PC; HP ZBook Ultra G1a 14 inch Mobile Workstation PC; HP EliteBook 8 G1i 13 inch Notebook AI PC; HP EliteBook 8 G1i 14 inch Notebook AI PC; HP EliteBook 8 G1i 16 inch Notebook AI PC; HP EliteBook 8 Flip G1i 13 inch Notebook AI PC; HP ZBook 8 G1i 14 inch Mobile Workstation PC; HP ZBook 8 G1i 16 inch Mobile Workstation PC; HP EliteBook 6 G1i 13 inch Notebook AI PC; HP EliteBook 6 G1i 14 inch Notebook AI PC; HP EliteBook 6 G1i 16 inch Notebook AI PC; HP EliteBook 6 G1q 14 inch Notebook Next Gen AI PC; HP EliteBook 8 G1a 13 inch Notebook AI PC; HP EliteBook 8 G1a 14 inch Notebook AI PC; HP EliteBook 8 G1a 16 inch Notebook AI PC; HP EliteBook 8 G1a 13 inch Notebook Next Gen AI PC; HP EliteBook 8 G1a 14 inch Notebook Next Gen AI PC; HP EliteBook 8 G1a 16 inch Notebook Next Gen AI PC; HP EliteBook 6 G1a 14 inch Notebook AI PC; HP EliteBook 6 G1a 16 inch Notebook AI PC; HP EliteBook 6 G1a 14 inch Notebook Next Gen AI PC; HP ZBook 8 G1ah 14 inch Mobile Workstation PC; HP ZBook 8 G1ak 14 inch Mobile Workstation PC; HP ZBook 8 G1as 14 inch Mobile Workstation PC; HP EliteBook 8 G1i 14 inch Notebook Next Gen AI PC; HP EliteBook 8 G1i 16 inch Notebook Next Gen AI PC; HP ZBook Fury G1i 16 inch Mobile Workstation PC; HP ZBook Fury G1i 18 inch Mobile Workstation PC; HP ZBook X G1i 16 inch Mobile Workstation PC; HP ZBook 9 G1i 16 inch Notebook PC; HP EliteBook 6 G1iR 14 inch Notebook PC; HP EliteBook 6 G1iR 16 inch Notebook PC; HP EliteBook X G1a 14 inch Notebook Next Gen AI PC; HP EliteBook Ultra G1i 14 inch Notebook Next Gen AI PC
<b>Compatible Operating Systems</b>	Windows 10 , Windows 11
<b>Datasheet Photo 01</b>	<a href="https://prism-pui-int.inc.hp.com/net/PRO.Crystal.1/DAMHandler/Accessories/HP_512gb_pcie_4x4_ssd_front_tpBG_3274133(3).png">https://prism-pui-int.inc.hp.com/net/PRO.Crystal.1/DAMHandler/Accessories/HP_512gb_pcie_4x4_ssd_front_tpBG_3274133(3).png</a>
<b>Form Factor</b>	M.2 2280
<b>Layers Per Pallet</b>	5
<b>Master Carton Dimension (imperial)</b>	11.65 x 7.76 x 9.88 in
<b>Master Carton Dimension (metric)</b>	29.6 x 19.7 x 25.1 cm
<b>Master Carton Weight (imperial)</b>	2.91 lb
<b>Master Carton Weight (metric)</b>	1.32 kg
<b>Operating Temperature Range (celsius)</b>	0 to 70°C

<b>Operating Temperature Range (fahrenheit)</b>	32 to 158°F
<b>Package Dimensions (imperial)</b>	9.13 x 5.83 x 0.39 in
<b>Package Weight (imperial)</b>	0.13 lb
<b>Pallet Weight (imperial)</b>	335.1 lb
<b>Pallet Weight (metric)</b>	152 kg
<b>Products Per Pallet</b>	1800
<b>Products per Pallet Layer</b>	360
<b>Storage Controller</b>	PCI Express Gen4 x4
<b>UNSPSC Code</b>	43201830

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