



HP 512GB PCIe4x4 NVMe M.2 SSD

The Speed and Space You Need

Upgrade your capacity for uninterrupted, undeterred, unbelievably fast speed and high performance. With the 512 GB PCIe-4x4 NVMe M.2 SSD, upgrade your computers performance to the next level. Make way for all the things you need to get done, at once, with state-of-the-art processing power.



*Product image may differ from actual product

More Storage, More Everything

Expand your laptop's storage for speed, space, and seamless productivity. With the 512 GB¹ PCIe-4x4 NVMe M.2 SSD, you'll have plenty of room to work and play and multitask with ease. Open your workspace for more and start thinking about computer storage less.

Powerfully Efficient

Upgrading to 512 GB¹ PCIe-4x4 NVMe M.2 SSD doesn't just expand your RAM, it increases the overall computing power of your HP laptop—opening the floodgates of speed and giving every part more room to think. It's also extremely efficient, so all that power doesn't drain your battery instantly or heat everything up.

Durable. Reliable. Undeniable.

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

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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 warranty, just in case.

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Product number	8C4X6AA
Compatibility	HP Dragonfly 13.5 inch G4 Notebook PC; HP EliteBook 1040 14 inch G10 Notebook PC; HP Elite x360 1040 14 inch G10 2-in-1 Notebook PC; HP Elite x360 830 13 inch G10 2-in-1 Notebook PC; HP EliteBook 830 13 inch G10 Notebook PC; HP EliteBook 840 14 inch G10 Notebook PC; HP EliteBook 860 16 inch G10 Notebook PC; HP EliteBook 835 13 inch G10 Notebook PC; HP EliteBook 845 14 inch G10 Notebook PC; HP EliteBook 865 16 inch G10 Notebook PC; HP EliteBook 630 13.3 inch G10 Notebook PC; HP EliteBook 650 15.6 inch G10 Notebook PC; HP EliteBook 645 14 inch G10 Notebook PC; HP EliteBook 655 15.6 inch G10 Notebook PC; HP Pro x360 435 13.3 inch G10 Notebook PC
Compatible operating systems	Windows 10 , Windows 11
Capacity native	512 GB ¹
Form factor	M.2 2280
Storage controller	PCI Express Gen4 x4
System Requirements, Minimum	M.2 port
Warranty	HP Three-year limited warranty
What's in the box	Solid state drive Quick start poster Warranty card Screw
Dimensions (W x D x H)	80 x 22 x 1 mm
Weight	8 g
Package dimensions (W x D x H)	232 x 148 x 10 mm
Package weight	85 g
Master carton quantity	18
Master carton dimensions (W x D x H)	29.6 x 19.7 x 25.1 cm
Master carton weight	1.77 kg
Carton per layer	20
Pallet (layers)	5
Carton per pallet	100
Products per layer	360
Products per pallet	1800
Pallet weight	176.6 kg
Sustainable impact specifications	Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 15% post-consumer recycled plastic ^{2,3}
Operating temperature range	0 to 70°C; 32 to 158°F

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Messaging Footnotes

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

Technical Specifications Footnotes

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

² 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

³ Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

