



Crucial® P510 PCIe® Gen5 NVMe™ 2280 M.2 SSD

Stay ahead of the curve with Gen5 storage

Harness the power of NVMe technology with the high-speed Crucial P510 SSD

The Crucial P510 offers powerfully fast Gen5 read/write speeds of 11,000/9,500MB/s¹, reducing load times while enhancing overall system responsiveness⁶. Built for both laptops and desktops with an easy-to-install single-sided design and power-efficient architecture, the P510 offers lower energy consumption and is designed to support battery life⁵. Backed by Micron's 45-year reputation for quality and reliability, the Crucial P510 delivers top-tier performance that can boost everything from your workflow to your next game.

Best for: Fast performance upgrades for laptops or desktops



Sequential reads/
writes up to
11,000/9,500MB/s¹



Reduced load times
and enhanced system
responsiveness⁶



Limited warranty



Gen5 laptops and
desktops

crucial.com/P510

Get ready for serious speed

Powerfully fast Gen5 NVMe SSD performance means significantly reduced load times for applications and games⁶. With read/write speeds up to 11,000/9,500MB/s¹, the Crucial P510 SSD can enhance overall system responsiveness, allowing users to maximize productivity and enjoy smoother, more immersive experiences.

Broad Gen5 compatibility

The Crucial P510 SSD's single-sided design ensures easy installation in Gen5 laptops and desktops, along with PlayStation[®] 5 consoles (heatsind version) providing flexibility for various configurations. Its power-efficient architecture runs cooler and consumes almost 25% less power than the previous Crucial Gen5 SSD to support longer battery life⁵.

Affordable performance

The Crucial P510 SSD offers an exceptional balance of performance and price, making it an ideal choice for the savvy buyer seeking superior functionality. Don't compromise on quality or performance, and gain access to high-speed capabilities at a reasonable cost.

Micron quality and reliability

With a 45-year reputation for quality and reliability, Micron has established itself as a trusted leader in the memory and storage industry. Enjoy Micron quality and top-tier performance with the high-speed P510 SSD.

Product dimensions		
	Including heatsink	No heatsink
Length	3.15 in	3.15 in
Height	0.38 in	0.09 in
Width	0.92 in	0.86 in
Weight	1.23 oz	0.86 oz

Crucial [®] P510					
Capacity ²	Sequential Read ³	Sequential Write ³	Random Read	Random Write	TBW
1TB	11,000MB/s	9,500MB/s	1.5M IOPS	1.5M IOPS	600
2TB	10,000MB/s	8,700MB/s	1.4M IOPS	1.5M IOPS	1200

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1. Typical I/O performance numbers as measured using CrystalDiskMark[®] with command queue full and write cache enabled. Fresh out-of-box (FOB) state is assumed. For performance measurement purposes, the SSD may be restored to FOB state using the secure erase command. System variations will affect measured results.

2. Some of the storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes.

3. Micron reserves the right to transition between NAND series during future production cycles.

4. Warranty valid for five years from the original date of purchase or before writing the maximum total bytes written (TBW) as published in the product datasheet and as measured in the product's SMART data, whichever comes first.

5. Power-to-performance comparison measured between Crucial T705 Plus and P510 PCIe[®] 5.0 NVMe SSDs. Your performance may vary.

6. Comparison based on Gen5 NVMe SSD speeds of 10,000/11,000MB/s and Gen4 speeds of 7,000MB/s. Your performance may vary.