

Crucial® P310 2280 PCIe® 4.0 3D NAND NVMe™ M.2 SSD

Game on. Limits off.

Let the powerful Crucial P310 NVMe SSD deliver your next win.

High-speed Gen4 performance for gamers is here. Introducing the Crucial® P310 2280 Gen4 NVMe™ SSD, a leader in the Gen4 space with sequential reads/writes[1] up to 7,100/6,000MB/s. Engineered with the latest Micron® 3D NAND technology, the Crucial P310 comes in generous capacities[2] and offers flexible backward compatibility, performing 2x faster than Gen3 SSDs[3] and offering 20% faster performance in real-world tasks[6] compared to other Gen4 SSDs when booting Windows, starting applications such as Adobe Photoshop and Illustrator, and working with popular applications such as Microsoft Excel and PowerPoint. The P310 is the NVMe storage solution that gives gamers the edge they crave.

Best for: Fast, gaming Gen4 NVMe™ storage

P310 with heatsink coming soon

Sequential reads/ writes up to 7,100/6,000MB/s[1]

Micron® Advanced 3D NAND and innovative controller technology

5 YR Limited warranty

PS5™ compatible

crucial.com/P310

Shift up to Gen4 Speed

Built with Micron® Advanced 3D NAND, P310 Gen4 SSDs offer blazing fast sequential reads up to 7,100MB/s[1] — 2x faster[3] than Gen3 NVMe SSDs and 20x faster than SATA. Speed up your bootups, file transfers, and game loads without compromising on quality.

All work or more play?

Don't let dull performance slow you down. With up to 2TB of storage and 20% better performance than other Gen4 SSDs, you can do it all faster, including gaming, booting Windows, running apps like Adobe Photoshop and Illustrator, or Microsoft Excel and Powerpoint[6].

Buy smarter

Instead of buying a new laptop, upgrade with the dependable P310 NVMe SSD and level up your strategy and laptop lifecycle. This easy-to-install SSD offers secure, efficient space for all your Gen4 laptop and desktop files, along with Gen3 backward compatibility. SSDs with heatsinks are not compatible with laptops. Please choose the P310 without heatsink for your laptop upgrade.

Discover power-efficient space

Crucial helps you win when it comes to speed, space, and performance, which is why the P310 Gen4 SSD's performance-to-power ratio is up to 40% better than our previous Gen4 SSD. Get more done with the same[8] battery life.

Crucial® P310 2280

Capacity[2]	Part Number	Sequential Read[3]	Sequential Write[3]	Random Read	Random Write	Heatsink	Box Contents
500GB	CT500P310SSD8	6,600MB/s	3,500MB/s	520K IOPS	890K IOPS	No	
1TB	CT1000P310SSD8	7,100MB/s	6,000MB/s	1M IOPS	1.2M IOPS	No	Crucial® Storage Executive
2TB	CT2000P310SSD8	7,100MB/s	6,000MB/s	1M IOPS	1.2M IOPS	No	Acronis® True Image for Crucial
1TB	CT1000P310SSD5	7,100MB/s	6,000MB/s	1M IOPS	1.2M IOPS	Yes	Crucial Easy SSD Install Guide
2TB	CT2000P310SSD5	7,100MB/s	6,000MB/s	1M IOPS	1.2M IOPS	Yes	

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

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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. Speed comparison is between Crucial P310 published top speeds of 7,000MB/s and the fastest published Gen3 speeds for NVMe SSDs, at 3,500MB/s. Your speed may vary.
4. Micron reserves the right to transition between NAND series during future production cycles.
5. 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.
6. Based on PCMark 10® Benchmark test results comparing the Crucial P310 to Samsung 990 EVO and WD SN580 SSDs. Your performance may vary.
7. Based on 3DMark Benchmark test results comparing the Crucial P310 to Samsung 990 EVO and WD SN580 SSDs. Your performance may vary.
8. Power-to-performance comparison measured between 1TB+ Crucial P3 Plus and P310 PCIe® 4.0 NVMe SSDs. Your performance may vary.
9. Speed comparison is between Crucial P310 published top speeds of 7,100MB/s and published competitor NVMe Gen4 SSD speeds. Your performance may vary.