

Crucial[®] T500 PCle[®] Gen4 NVMe[™] SSD



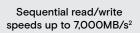
Upgrade mode: Faster

Elevate your system's performance with the high-speed Crucial T500 Gen4 SSD

Fuel your system performance with the Crucial® T500 Gen4 NVMe™ SSD. Load games up to 16% faster¹ with sequential read and write speeds² up to 7,400MB/s and 7,000MB/s (up to 1.44M IOPs random reads/writes²). The T500 serves up faster gaming, video editing, and 3D rendering. Easy to install and ready for use with your laptop, desktop, or motherboard, the T500 serves up faster gaming, video editing, 3D rendering and more with up to 2TB of storage³. Built with cutting-edge TLC NAND, a 40% performance-to-power ratio⁴, and speeds that are 2x faster⁵ than Gen3, the T500 optimizes your system performance so it can work faster with less power. Enabled for Microsoft® DirectStorage, the T500 also supports faster⁶ renders and reduced CPU utilization for a richer gaming experience.

Available in two options with and without a premium heatsink.







Reduce game texture load times and CPU utilization with Microsoft® DirectStorage



Lightning Gen4 performance from Crucial

Speed up boots, loads, and saves with 7,400/7,000MB/s sequential reads/writes2 — the Crucial T500 PCIe® 4.0 NVMe SSD is more than 2x faster⁵ than Gen3 SSDs and 12x faster⁵ than SATA.

Power up your PS5

As a PS5™ diehard, you get faster load times and powerful storage for all your favorite games. With our integrated heatsink and powerful Gen4 engineering, the T500 exceeds PS5 requirements9 for the ultimate gaming experience.

In-game gains

Real tests don't lie - load games 16% faster1 with the Crucial® T500 PCle® 4.0 NVMe SSD. Store more games with up to 2TB3 of storage. With Microsoft® DirectStorage, render faster6 and enjoy more detailed game textures.

Performance to power ratio

Get more done in less time with the T500's power efficiency. With a 40% higher performance to power ratio4, the Crucial T500 PCle® 4.0 NVMe® SSD helps keep your computer working faster with less power.

Quick and easy install

Crucial's online tutorials, how-to guides, videos and free Acronis® True Image cloning software help you install your SSD, set it as your boot drive and migrate your data.

| Crucial® T500 SSD | | | | | | | | | |
|-------------------|----------------|---------------------------------|----------------------------------|-----------------------------|------------------------------|---------|----------|------------------------------------|--|
| Capacity⁵ | Part Number | Sequential Read ² | Sequential Write ² | Random Read ² | Random Write ² | TBW | Heatsink | Other | |
| 500GB | CT500T500SSD8 | 7,200MB/s | 5,700MB/s | 800K IOPS | 1,390K IOPS | 300TB | No | | |
| 1TB | CT1000T500SSD8 | 7,300MB/s | 6,800MB/s | 1,150K IOPS | 1,440K IOPS | 600TB | No | PCIe 4.0 NVMe SSD | |
| 2TB | CT2000T500SSD8 | 7,400MB/s | 7,000MB/s | 1,180K IOPS | 1,440K IOPS | 1,200TB | No | Warranty: 5 years | |
| 1TB | CT1000T500SSD5 | 7,300MB/s | 6,800MB/s | 1,150K IOPS | 1,440K IOPS | 600TB | Yes | limited ⁸ TCG Opal 2.01 | |
| 2TB | CT2000T500SSD5 | 7,400MB/s | 7,000MB/s | 1,180K IOPS | 1,440K IOPS | 1,200TB | 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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- Gaming speed claims based on Micron test results measuring Forspoken Benchmark, Call of Duty® and Valorant® bootup times of the Crucial 1. T500 and other Gen4 SSDs. Your performance may vary.

 Typical I/O performance as measured using CrystalDiskMark® with default settings for NVMe SSDs and write cache enabled. Windows 11 Core
- 2. isolation disabled for performance measurement. 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.
- 3. Some of the storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes. Not all capacities available at initial launch.
- Calculated by comparing T500's sequential reads of 7,400MB/s to the previous generation's (P3) speeds of 3,500MB/s, or to the SATA's (MX500)
- speed of 560MB/s. Actual performance may vary.

 Compared to Gen4 SSD performance without DirectStorage, based on Micron test results with supported GPU that uses GPU decompression
- Faster performance with content creation apps based on internal test results measuring SPECwpc benchmark scores comparing the Crucial T500 to other Gen4 SSDs. Your performance may vary.
- 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 8.
- See https://www.playstation.com/en-us/support/hardware/ps5-install-m2-ssd/ for specs and installation instructions.

 One-month complimentary Adobe® Creative Cloud personal All Apps plan available with eligible Crucial SSD purchase. Adobe Creative Cloud ID and Crucial product registration required for redemption. Eligible Crucial T500 SSDs: CT500T500SSD8, CT1000T500SSD8, CT2000T500SSD8, CT1000T500SSD5, CT2000T500SSD5 must be purchased between October 17, 2023 and December 31, 2024. Offer limited to one redemption per eligible Crucial SSD purchase and registration; up to two per Adobe Creative Cloud user account, subject to acceptance of applicable Terms of Use, while activation code supplies last. Additional terms and conditions may apply. Micron Technology reserves the right to change or discontinue this offer at any time without notice.