Crucial® T700 PCIe® Gen5 NVMe™ SSD

This one's a game changer.

The future of fast is yours with the Crucial T700 Gen5 SSD

Are you ready to feel the rush of extreme performance? The Crucial® T700 PCIe® 5.0 NVMe® SSD offers speeds of up to 12,400MB/s sequential reads and up to 11,800MB/s sequential writes[2] (up to 1,500K IOPS random reads/writes[2]) for faster gaming, video editing, 3D rendering and heavy workload applications. Built with Micron® 232-layer TLC NAND[3] and featuring a premium aluminum and nickel-plated copper heatsink that dissipates heat without noisy fans or liquid cooling, the Crucial T700 Gen5 SSD is optimized for performance, takes full advantage of Microsoft® DirectStorage, and is backward compatible with Gen3 and Gen4 motherboards. A non-heatsink SKU is also available for use with an integrated motherboard heatsink[1]. With SSD speeds nearly 2x faster than Gen4[4] in your PC, you'll never look back from the Crucial T700!

Available with and without a premium heatsink.

Best for: Fast Gen5 storage for heavy workloads, photo/video editing and gaming

Extreme Gen5 speeds up to 12,400MB/s[2]

DirectStorage enabled for lag-free gaming

Premium heatsink

crucial.com/t700

Ignite extreme performance from Crucial's Gen5 SSD

With blistering speeds of up to 12,400/11,800MB/s sequential reads/writes[2] (up to 1,500K IOPs random reads/writes[2]), the Crucial T700 PCIe 5.0 NVMe SSD is nearly 2x faster than our Gen4 performance SSD[4].

Elevate your gaming experience with DirectStorage

Render high-resolution textures up to 60% faster, load assets in seconds and get up to 90% less CPU utilization to free up your system for multitasking with Microsoft® DirectStorage[6] and GPU decompression.

Stay cool in the heat of the moment with our premium heatsink

Our aluminum and nickel-plated copper heatsink was custom designed to help you maximize performance in game and while 3D rendering while minimizing throttle[9] — without the noise or failure risk of integrated fans or liquid cooling. Non-heatsink option is also available[1].

Buy from the ecosystem innovator of Gen5 technology

Working in close collaboration with controller, CPU and motherboard vendors, Crucial is the only brand whose parent company, Micron, innovated the 232-layer TLC NAND[3] inside the T700 Gen5 SSD. Micron's 45-year reputation for industry innovation and leadership backs up the end-to-end quality, reliability, superior testing and OEM qualification in every Crucial SSD.

Revolutionary speed meets compatibility

Boasting blazing load times and consistently high performance for heavy workloads, the Crucial T700 Gen5 NVMe SSD is designed for Intel® 13th Gen and AMD Ryzen™ 7000 series CPUs and PCIe 5.0 motherboards but is also backward compatible with PCIe 3.0 and 4.0 systems for ultimate flexibility.

Crucial® T700 SSD					
Capacity[5]	**Part Number**	**Sequential Read[2]**	**Sequential Write[2]**	**Heatsink**	**Box Contents**
1TB	CT1000T700SSD5	11,700MB/s	9,500MB/s	Yes	Crucial® Storage Executive Acronis® True Image for Crucial Crucial Easy SSD Install Guide
1TB	CT1000T700SSD3	11,700MB/s	9,500MB/s	No	
2TB	CT2000T700SSD5	12,400MB/s	11,800MB/s	Yes	
2TB	CT2000T700SSD3	12,400MB/s	11,800MB/s	No	
4TB	CT4000T700SSD5	12,400MB/s	11,800MB/s	Yes	
4TB	CT4000T700SSD3	12,400MB/s	11,800MB/s	No	

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1. Non-heatsink versions of the Crucial T700 must be installed with a motherboard or alternate heatsink to achieve optimal performance.
2. Typical I/O performance as measured using CrystalDiskMark® with a queue depth of 512 and write cache enabled. Windows 11 Core isolation disabled for performance measurement. Fresh out-of-box (FOB) state is assumed. For performance meas-urement purposes, the SSD may be restored to FOB state using the secure erase command. System variations will affect measured results.
3. See **Micron.com/products/nand-flash** for more information.
4. Compared to Crucial P5 Plus Gen4 NVMe SSD listed speed of 6,600MB/s. Actual speed may vary.
5. Some storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes.
6. Compared to Gen5 SSD performance without DirectStorage, based on internal test results with supported GPU that uses GPU decompression.
7. Compared to Crucial MX500 SATA SSD listed speed of 560MB/s. Actual speed may vary.
8. Warranty valid for 5 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.
9. Under typical conditions for airflow and ambient temperature, our pre-installed premium heatsink allows the T700 Gen5 SSD to run at max workload without the need to thermal throttle. Please ensure your drive has proper airflow for maximum per-formance.
10. Based on internal gaming performance results measured with 3DMark® Storage Benchmark SSD performance test for gamers. Actual results may vary.
11. Compared to SSD temperatures without a cooling apparatus, based on internal test-ing. The Crucial T700 SSD must be installed with a heatsink for optimal performance.