![crucial by Micron logo]

Crucial® T705 Gen5 NVMe® M.2 SSD

Our fastest just got faster

Fearless speed is waiting. Are you in?

Hold on tight, the Crucial T705 Gen5 NVMe SSD is taking Gen5 performance to the max. With sequential reads and writes[2] up to 14,500MB/s and 12,700MB/s (up to 1,550K/1,800K IOPS random reads/writes[2]), the T705 offers faster gaming, video editing, 3D rendering and heavy workload application processing. Built with Micron® 232-layer TLC NAND[3] and ready for use with your motherboard's heatsink[1], the Crucial T705 Gen5 SSD is fully optimized for performance, takes full advantage of Microsoft® DirectStorage, and is backward compatible with Gen3 and Gen4 motherboards. With SSD speeds nearly 2x faster than Gen4[5], you'll never look back from the Crucial T705!

Available in two options with and without premium heatsink.

Best for

High-performance gaming, creative professional, and workstation use

Key features

- Capacities: 4TB, 2TB, 1TB[6]
- Compatibility: Intel® Core™ 13th–14th Gen desktop CPUs and AMD Ryzen™ 7000 series CPUs
- Heatsink: Maximum heat dissipation without noisy fans (non-heatsink option available[1])
- Featuring: Microsoft® DirectStorage enabled
- Innovation: Built with Micron® 232-layer TLC NAND[3]
- Warranty: 5 years limited[10]
- Security: Hardware encryption for storage security with TCG Opal 2.01

![Micron logo]

Better. Faster. Stronger.

With cutting-edge 232-layer TLC NAND[3], Micron has unlocked the full potential of Gen5 technology, engineering the Crucial T705 SSD to give you an edge in gaming performance and with content creation workloads.

Blur the line between virtual and reality with maxed out Gen5 performance

With blistering sequential reads and writes up to 14,500/12,700MB/s[2], the Crucial T705 outpaces, outperforms, and outshines yesterday's fastest SSDs. The T705 maximizes Gen5 technology with nearly 2x the performance[5] of Gen4 SSDs without significantly increasing power consumption.

Crucial's best-in-slot Gen5 gaming SSD

Stay ahead of the competition by loading AAA game titles up to 15% faster[9] than Gen4 SSDs with DirectStorage. Don't get stuck in the past — unlock the potential for more detailed textures, faster game play, and sharper graphics with an SSD that fully supports DirectStorage and GPU decompression.

Premium heatsink engineered for perfection, not compromise

We engineered our aluminum and copper heatsink to maximize heat dissipation for max performance without noisy fans or liquid cooling. Must be used with adequate system airflow for optimal performance. A non-heatsink option[1] is also available.

Revolutionary speed, meet compatibility

Boasting blazing load times and consistently high performance for heavy workloads, including AI apps, the Crucial T705 Gen5 NVMe SSD is designed for Intel® Core 13-14th Gen & AMD Ryzen™ 7000 series CPUs and is backward compatible with PCIe 3.0 and 4.0 systems for ultimate flexibility.

Crucial® T705 SSD								
Capacity[6]	Part Number	Sequential Read[2]	Sequential Write[2]	Random Read[2]	Random Write[2]	TBW	Heatsink	Other
1TB	CT1000T705SSD3	13,600MB/s	10,200MB/s	1400K IOPS	1750K IOPS	600TB	No	
2TB	CT2000T705SSD3	14,500MB/s	12,700MB/s	1550K IOPS	1800K IOPS	1,200TB	No	PCIe 5.0 NVMe SSD
4TB	CT4000T705SSD3	14,100MB/s	12,600MB/s	1500K IOPS	1800K IOPS	2,400TB	No	Warranty: 5 years limited[8]
1TB	CT1000T705SSD5	13,600MB/s	10,200MB/s	1400K IOPS	1750K IOPS	600TB	Yes	TCG Opal 2.01
2TB	CT2000T705SSD5	14,500MB/s	12,700MB/s	1550K IOPS	1800K IOPS	1,200TB	Yes	
4TB	CT4000T705SSD5	14,100MB/s	12,600MB/s	1500K IOPS	1800K IOPS	2,400TB	Yes	

Product dimensions		
	Including heatsink	No heatsink
Length	3.15 in	3.15 in
Height	0.83 in	0.15 in
Width	0.92 in	0.87 in
Weight	1.94 oz	0.35 oz

1. Non-heatsink versions of the Crucial T705 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 measurement 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. Under typical conditions for airflow and ambient temperature, our pre-installed premium heatsink allows the T705 Gen5 SSD to run at max workload without the need to thermal throttle. Comparisons made to SSD temperatures without a cooling apparatus. Please ensure your drive has proper airflow for maximum performance.
5. Compared to Crucial T500 Gen4 NVMe® SSD listed speed of 7,400MB/s. Actual speed may vary.
6. Some storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes.
7. Compared to Gen5 SSD performance without DirectStorage, based on internal test results with supported GPU that uses GPU decompression.
8. Compared to Crucial MX500 SATA SSD listed speed of 560MB/s. Actual speed may vary.
9. Fresh-out-of-box (FOB) performance measured with a typical Microsoft DirectStorage workload compared to the FOB average performance of Crucial P5 Plus & T500 SSDs with similar workloads.
10. 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.
11. 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 T705 SSDs: CT1000T705SSD3, CT2000T705SSD3, CT4000T705SSD3, CT1000T705SSD5, CT2000T705SSD5, CT4000T705SSD5 or CT2000T705SSD5A must be purchased between March 12 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.
12. To ensure optimal performance and maintain your T705 SSD's warranty when installing with an in-motherboard heatsink, you must not remove the copper-clad label.
13. Compared to an average of the bandwidth for Crucial P5 Plus and T500 SSDs.

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