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Crucial® E100 PCIe® 4.0 NVMe® SSD

Welcome to Gen4 storage

Say goodbye to HDDs and SATA drives with speedy Gen4 NVMe performance

For impressive speeds at an affordable price, upgrade your computer's storage with the Crucial E100 Gen4 SSD. Whether you're replacing an HDD or SATA SSD, or building a budget-friendly system, the E100 boosts performance and adds storage with read speeds up to 5,000MB/s[1] and capacities up to 2TB[2]. Welcome to fast Gen4 storage with the Crucial E100 Gen4 SSD.

Best for

Entry-level replacement for HDDs or SATA SSDs or multi-use, everyday computing

Key features

- Capacities: 2TB, 1TB, 480GB
- Compatibility: Gen4 NVMe storage that's Gen3 backward compatible
- Speed: Sequential reads/ writes up to 5,000/4,500MB/ s[1]
- Warranty: 3 year limited[3]
- Endurance (TBW): 100TBW

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Boost performance

Whether you're upgrading from SATA or an HDD, it's time to level up your performance and digital space with the Crucial E100 Gen4 SSD. This SSD reaches read speeds up to 5,000MB/s[1] while letting you store all your favorite photos, files, videos, and more.

- Read speeds up to 5,000MB/s[1]
- Upgrade from SATA or HDD

Store even more

In capacities up to 2TB[2], the Crucial E100 SSD is the economical storage you need, whether you are upgrading from SATA or a traditional hard drive. Store all of your important files, whether they are photos, videos, games, music or documents.

- Up to 2TB[2] of affordable storage
- Store all your favorite photos, files, videos, and more

Durable Gen4 storage

With 45 years of experience engineering memory and storage, Micron backs every product we sell with unparalleled expertise and innovation.

- No moving parts with solid state reliability
- 3-year warranty[3]

High quality

The Crucial E100 Gen4 SSD is an affordable solution to your storage woes. Rigorous testing and quality control means you receive a high-quality product that can support your daily workflow.

- Tested technology
- Quality control

Crucial® E100 NVMe SSD				
Capacity[6, 2]	Part Number	Sequential Read[2]	Sequential Write[2]	Heatsink
480GB	CT480E100SSD3	4700MB/s	2500MB/s	No
1TB	CT1000E100SSD3	5000MB/s	4500MB/s	No
2TB	CT2000E100SSD3	5000MB/s	4500MB/s	No

Product dimensions	
Length	3.15 in
Height	0.09 in
Width	0.86 in
Weight	0.86 oz

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. Systemvariations 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. 2TB capacity not available until spring, 2025.
3. Warranty valid for 3 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.
4. SSD speed comparison between Crucial E100 NVMe SSD top read speeds of 5,000MB/s and Crucial MX500 SATA SSD read speeds of 560MB/s.
5. SSD speed comparison between Crucial E100 NVMe SSD read/write speeds of 5,000/3,000MB/s and an average speed of 150MB/s for a 7200 RPM HDD.
6. Micron reserves the right to transition between NAND series during future production cycles.

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