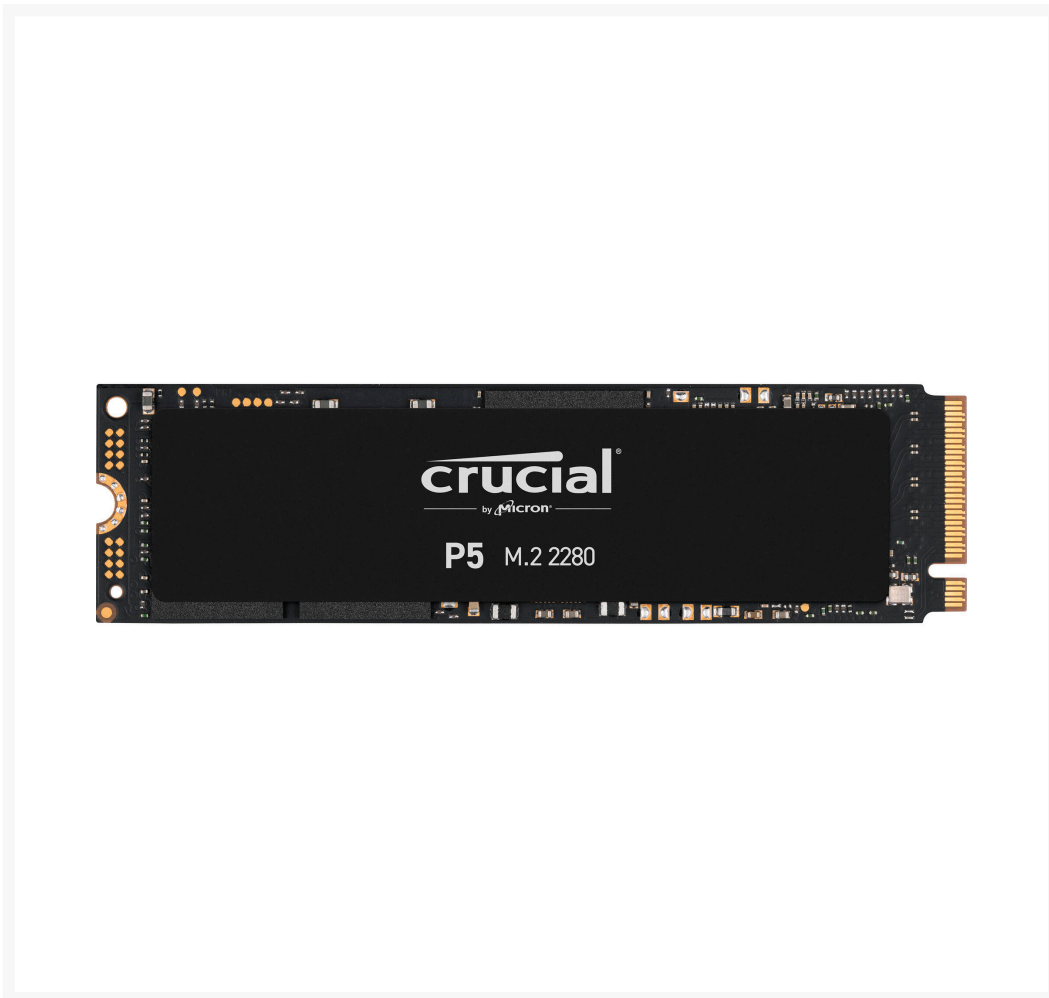




Crucial 1TB P5 NVMe PCIe M.2 Internal SSD

\$149.95

Product Images





Short Description

Whether you're playing high-end games or running demanding applications, the Crucial 1TB P5 NVMe PCIe M.2 Internal SSD delivers the storage and performance you need to load both expansive levels and large project files. The solid-state drive utilizes NVMe technology and the PCIe Gen 3 M.2 2280 interface to achieve sequential read and write speeds of up to 3400 MB/s and 3000 MB/s respectively. The drive also includes Crucial Storage Executive and Acronis True Image to manage the drive's health and to back up essential data.

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Extra Fast. Extraordinary.

Inspiration comes fast;
don't let ordinary performance
slow you down.



Crucial P5 SSD

Inspiration comes fast; don't let ordinary performance slow you down. The Crucial P5 SSD delivers impressive speed and fierce data protection with sequential reads up to 3400MB/s. Whether you're at your desk, in the studio, or in game, the P5 delivers the quality and superior support you've come to expect from Crucial. Engineered with NVMe technology, the P5 includes advanced features like dynamic write acceleration, full hardware-based encryption capability, and adaptive thermal protection to help keep your data safe while enhancing system reliability. With thousands of validation hours and dozens of qualification tests, the Crucial P5 SSD is backed by world-class Micron engineering and innovation.



Seamless Performance

With the P5, operating systems and apps open quickly, and games load as soon as you're ready to spawn.



Conquer Expectations

The Crucial P5 combines 3D NAND and cutting-edge controller technology for fierce read/write speeds up to 3400/3000MB/s, pushing the limits of PCIe Gen 3 NVMe.



Unprecedented Endurance

Dynamic write acceleration, error correction, and adaptive thermal protection optimize performance and durability.



Security

Capable of enhancing data security with rapid, full-drive encryption, protecting data without performance degradation.

High-Performance Storage

Featuring Micron 3D NAND technology, the 500GB M.2 NVMe solid-state drive takes full advantage of the PCIe 3.0 interface to deliver up to 3400 MB/s sequential reads and 3000 MB/s sequential writes.

Built for Endurance

The drive is has a mean time to failure (MTTF) rating of over 2 million hours, with over 300 written to help ensure its longevity and reliability.

Integrated Security

The Crucial P5 M.2 NVMe SSD supports OPAL2.0 and may be fully encrypted.

Advanced Features

- Dynamic Write Acceleration
- Redundant Array of Independent NAND (RAIN)
- Multistep Data Integrity Algorithms
- Adaptive Thermal Protection
- Integrated Power Loss Immunity
- Active Garbage Collection
- TRIM Support
- NVMe standard Self-Monitoring and Reporting Technology (SMART)
- Error Correction Code (ECC)
- NVMe Autonomous Power State Transition (APST) Support

Specifications

Crucial P5 Specs

Storage

Drive Capacity 1TB

Cache Memory *None*

Pre-Format *None*

Performance

Interface PCIe 3.0 x4

Random Read Speed 210,000 IOPS

Random Write Speed 500,000 IOPS

Sequential Read Speed 3400 MB/s

Sequential Write Speed 3000 MB/s

Physical

Drive Type SSD

Form Factor M.2 2280

Flash Memory Type 3D V-NAND

SMART Support Yes

TRIM Support Yes

Reliability / Data Integrity

Encryption SED

Endurance (Total Bytes Written) 300 TB

Mean Time Between Failures (MTBF) 2.0 Million Hours

General

Dimensions (W x H x D) 0.87 x 3.15 x 0.09" / 22 x 80 x 2.4 mm

Weight 0.37 lb / 0.17 kg

Warranty Length Limited 5-Year Warranty

Packaging Info

Package Weight 0.08 lb

Box Dimensions (LxWxH) 5.1 x 3.9 x 0.6"

Additional Information

Brand	Crucial
SKU	CT1000P5SSD8
Weight	1.0000
Color	Black
Storage Type	M.2 SSD
Storage Form Factor	M.2 2280
Storage Capacity	1 TB

