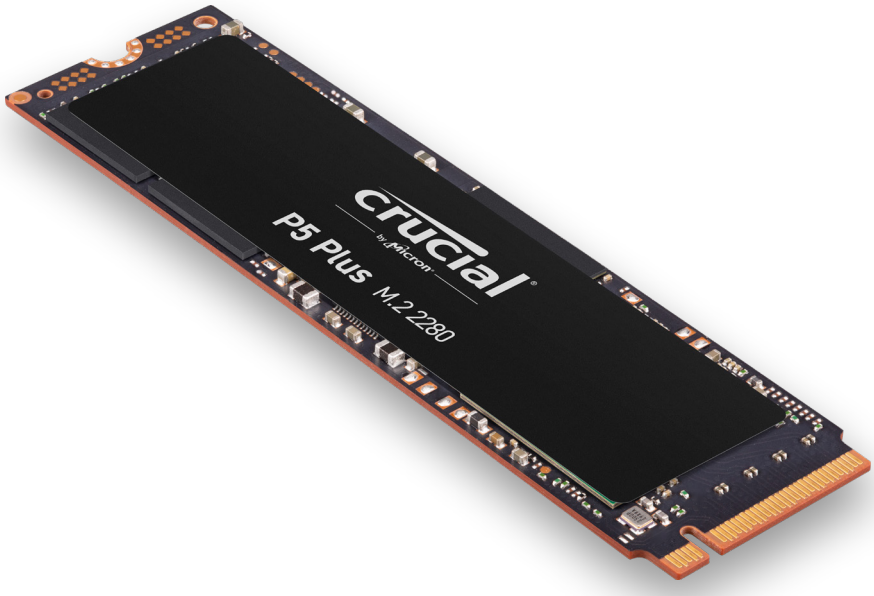
The memory & storage experts™

CRUCIAL P5 PLUS SSD



Unlock Gen4 Speed

Supercharge your build with the P5 Plus NVMe SSD.

Are you ready for next-gen performance? The Crucial® P5 Plus SSD delivers remarkable speed and data protection with sequential reads up to 6600MB/s[1] for transformative computing. Engineered by Micron with the latest Gen4 NVMe™ technology, the Crucial P5 Plus includes advanced features like full hardware-based encryption, dynamic write acceleration and adaptive thermal protection to keep your data safe while enhancing system reliability. Designed specifically for intensive workloads, high-quality creative content, and hardcore gaming, the P5 Plus is also backward compatible with most Gen3 systems for ultimate flexibility.

Best For

Fast Gen4 NVMe storage for data-intensive applications

Key Features

- PCIe 4.0 NVMe™ technology with up to 6600MB/s sequential reads
- Engineered for hardcore gamers, professionals and creatives who demand high-performance computing
- Built on our own leading Micron Advanced 3D NAND and innovative controller technology
- Includes cloning and SSD management software for performance optimization, data security, and firmware updates
- 5-year limited warranty[4]

Micron

Reliability (MTTF)
2 million hours

Endurance
500GB: 300 total bytes written (TBW)

1TB: 600 total bytes written (TBW)

2TB: 1200 total bytes written (TBW)

Data Transfer Software
Acronis® True Image™ for Crucial® cloning software

Operating Temperature
0 °C to 70 °C

Compliance
UKCA, CE, FCC, VCCI, KC, RCM, ICES, Morocco, BSMI, Ukraine, UL, TUV, China RoHS, WEEE, Halogen Free

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
- Device sleep support
- Full-drive encryption capable (TCG OPAL 2.0)

Warranty
5-year limited warranty or 500GB – 300TBW, 1TB – 600TBW, 2TB – 1200TBW[1]

Installation
For easy-to-follow instructions and our step-by-step guide, visit **crucial.com/ssd-install**

Support
For more resources and warranty information, visit **crucial.com/support**

Crucial® P5 Plus SSD

Capacity[2]	Part Number	Sequential Read[1]	Sequential Write[1]	Box Contents
500GB	CT500P5PSSD8	6600MB/s	3600MB/s	Crucial® Storage Executive Acronis® True Image for Crucial Crucial Easy SSD Install Guide
1TB	CT1000P5PSSD8		5000MB/s	
2TB	CT2000P5PSSD8			

1. Typical I/O performance numbers as measured using CrystalDiskMark® with a queue depth of 128 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. System variations will affect measured results. When installed in a Gen3 system, typical read/write speeds are 3300/2700MB/s.
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. Not all capacities available at initial launch.
3. Mean time to failure (MTTF) can be predicted based on component reliability data using the methods referenced in the Telcordia SR-332 reliability prediction procedures for electronic equipment and is validated in Reliability Demonstration Test (RDT).
4. 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.
5. Calculated by comparing P5 Plus's sequential reads of 6600MB/s to the previous generation's (P5) speed of 3400MB/s, or to the SATA's (BX500) speed of 540MB/s.
6. Data transfer speeds measured in MB/s and taken from published specifications of SATA and NVMe SSDs on Crucial.com.
7. OEM warranty statements are only applicable to customers in the U.S. Some manufacturers have reserved the right to void warranties, based on their discretion.

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