

CRUCIAL P5 PLUS SSD



Unlock Gen4 Speed

Supercharge your build with the P5 Plus NVMe SSD.

The Crucial® P5 Plus SSD delivers remarkable speed and data protection with sequential reads up to 6,600MB/s¹ for transformative computing. Engineered by Micron® for intensive workloads using Gen4 NVMe™ technology, the Crucial P5 Plus is ideal for use with PlayStation® 5 and supports Microsoft® DirectStorage. It's available with or without a heatsink, and is backward compatible with most Gen3 systems for ultimate flexibility.



Incredible performance
up to 6600MB/s³



Rapid, full-drive
encryption



Premium
Heatsink

Proven performance

When performance and reliability are critical, build your rig with our Micron® Advanced NAND and PCIe® 4.0 NVMe® technology. Our Crucial P5 Plus is nearly 2x⁷ faster than our previous generation and boasts read speeds up to 6,600MB/s¹. The P5 Plus is developed, manufactured, and tested with Micron for end-to-end quality you can trust.

Get more done

With cutting-edge technology and stability, the P5 Plus is perfect for intensive uses like gaming, video editing, content creation, and demanding engineering applications.

Interoperability

The P5 Plus offers flexibility. Whether you need an SSD for a Gen3 system upgrade or a Gen4 build, the P5 Plus is compatible with both. Experience faster boot ups, apps that open in seconds, and games that load as soon as you're ready to play.

Fully loaded

Combine performance and durability with the advanced features of our P5 Plus, including industry-leading NAND, innovative controller technology, adaptive thermal protection, dynamic write acceleration, error correction, and encryption capability. The P5 Plus also come with our Storage Execu-tive and free cloning software.

Integrated heatsink

For PlayStation® 5 gamers⁶, the Crucial P5 Plus with integrated heatsink is an ideal upgrade. Game faster with speeds up to 6,600MB/s¹ and add more titles to your library with capacities up to 2TB².

Elevate your gaming experience with DirectStorage

Render high-resolution textures faster, load assets in seconds, and decrease CPU usage for better multitasking with Microsoft® DirectStorage³ and GPU decompression.

Reliability (MTTF)

2 million hours

Endurance - Total Bytes Written (TBW)

500GB SSD = 300TB (TBW)

1TB SSD = 600TB (TBW)

2TB SSD = 1200TB (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

Limited 5-year warranty⁴

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	Random Read	Random Write	Heatsink
500GB	CT500P5PSSD8	6,600MB/s	4,000MB/s	360K IOPS	700K IOPS	No
1TB	CT1000P5PSSD8		5,000MB/s		630K IOPS	700K IOPS
2TB	CT2000P5PSSD8	720K IOPS			700K IOPS	No
1TB	CT1000P5PSSD5	630K IOPS			700K IOPS	Yes
2TB	CT2000P5PSSD5	720K IOPS			700K IOPS	Yes

©2021-2023 Micron Technology, Inc. All rights reserved. Information, products, and/or specifications are subject to change without notice. Neither Crucial nor Micron Technology, Inc. is responsible for omissions or errors in typography or photography. Micron, the Micron logo, Crucial, the Crucial logo, and The Memory & Storage Experts are trademarks or registered trademarks of Micron Technology, Inc. All other trademarks are the property of their respective owners.

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 3,300/2,700MB/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. Compared to Gen4 SSD performance without DirectStorage, based on internal test results with supported GPU that uses GPU decompression.
4. 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).
5. 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.
6. See <https://www.playstation.com/en-us/support/hardware/p55-install-m2-ssd/> for specs and installation instructions.
7. Calculated by comparing P5 Plus's sequential reads of 6,600MB/s to the previous generation's (P5) speed of 3,400MB/s, or to the SATA's (BX500) speed of 540MB/s. Actual performance may vary.