

# CRUCIAL P5 SSD



## Extra Fast. Extraordinary.

Inspiration comes fast. The Crucial P5 redefines what's possible with innovations that transform the computing experience.

Inspiration comes fast; don't let ordinary performance slow you down. The Crucial® P5 SSD delivers impressive speed and data protection with sequential reads up to 3400MB/s, along with the 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, and adaptive thermal protection to keep your data safe while enhancing system reliability. With thousands of validation hours, dozens of qualification tests, the Crucial P5 SSD is backed by world-class Micron engineering and innovation.



Incredible performance  
up to 3400MB/s<sup>3</sup>



Rapid, full-drive  
encryption



Limited 5-Year  
Warranty<sup>1</sup>

[crucial.com/P5](https://crucial.com/P5)

## Seamless Performance

With the P5, operating systems open almost instantly, apps launch in seconds, and games load before 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® Gen3 NVMe™.

## Unprecedented Endurance

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

## Security

Enhance data security with the P5's rapid, full-drive encryption, which transparently minimizes the risk of data loss without performance degradation.

## Micron® Quality – A Higher Level of Reliability

With thousands of hours of Micron pre-release validation, dozens of SSD qualification tests, and a heritage of award-winning SSDs, the Crucial P5 has been thoroughly tried, tested, and proven.

### Life Expectancy (MTTF)

1.8 million hours

### Endurance - Total Bytes Written (TBW)

250GB SSD = 150TB (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

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)

### Warranty

Limited 5-year warranty<sup>1</sup>

### Installation

For easy-to-follow instructions and our step-by-step guide, visit [crucial.com/ssd-install](https://crucial.com/ssd-install)

### Support

For more resources and warranty information, visit [crucial.com/support](https://crucial.com/support)

## Crucial® P5 SSD

Capacity <sup>2</sup>	Part Number	Sequential Read <sup>3</sup>	Sequential Write <sup>3</sup>	Box Contents
250GB	CT250P5SSD8	3400MB/s	1400MB/s	Crucial® Storage Executive Acronis® True Image for Crucial Crucial Easy SSD Install Guide
500GB	CT500P5SSD8	3400MB/s	3000MB/s	
1TB	CT1000P5SSD8			
2TB	CT2000P5SSD8			

1. Warranty valid for five years from the original date of purchase.

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. Typical I/O performance numbers as measured using CrystalDiskMark® with a queue depth of 64 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.