

CRUCIAL P5 SSD



Powerful Speeds. State-of-the-Art Performance.

Expand system performance with NVMe™ technology. The Crucial® P5 SSD delivers powerful speed and data protection with sequential reads up to 3400MB/s, along with exceptional Crucial support. Advanced features like Dynamic Write Acceleration, full hardware-based encryption, and Adaptive Thermal Protection provide data security and enhanced system reliability. With thousands of validation hours, dozens of qualification tests, and a 5-year limited warranty¹, the Crucial P5 SSD is backed by world-class Micron engineering and innovation.

Best For

Desktop/Laptop Upgrades
Home/Office Server
Gaming Applications

Key Features

- Sequential reads and writes up to 3400/3000MB/s
- Dynamic Write Acceleration
- Redundant Array of Independent NAND (RAIN)
- Multistep Data Integrity Algorithm
- Adaptive Thermal Protection
- Integrated Power Loss Immunity
- Active Garbage Collection
- TRIM Support

Life Expectancy (MTTF)

2 million hours

Endurance

250GB: 150 Total Bytes

Written (TBW)

500GB: 300TBW

1TB: 600TBW

2TB: 1200TBW

Data Transfer Software

Acronis® True Image™

for Crucial® cloning

software

Operating Temperature

0 °C to 70 °C

ComplianceCE, 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

Warranty5-year limited warranty or 250GB – 150TBW, 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 SSD**

Capacity ²	Part Number	Sequential Read ³	Sequential Write ³	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 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.
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.

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