

## Produktinformation



### Information

<i>Tillverkare</i>	Micron Technology
<i>Artnr</i>	CT250P5SSD8

## Crucial P5 - Solid state drive - encrypted - 250 GB - internal - M.2 2280 - PCI Express 3.0 (NVMe) - 256-bit AES

Inspiration comes fast. The Crucial P5 redefines what's possible with innovations that transform the computing experience, delivering 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, and adaptive thermal protection to 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.

## Specifikation

### General

<b>Device Type</b>	Solid state drive - internal
<b>Capacity</b>	250 GB
<b>Hardware Encryption</b>	Yes
<b>Encryption Algorithm</b>	256-bit AES
<b>Form Factor</b>	M.2 2280
<b>Interface</b>	PCI Express 3.0 (NVMe)
<b>Features</b>	TRIM support, Error Correction Code (ECC), Power Loss support, Adaptive Thermal Protection, Redundant Array of Independent NAND, Multistep Data Integrity Algorithm, RAIN technology, Active Garbage Collection, dynamic write acceleration, 3D NAND Technology, NVMe Express (NVMe), Autonomous Power State Transition (APST), S.M.A.R.T.
<b>Width</b>	22 mm
<b>Depth</b>	80 mm
<b>Height</b>	2.4 mm
<b>Weight</b>	17 g

### Performance

<b>SSD Endurance</b>	150 TB
<b>Internal Data Rate</b>	3400 MBps (read) / 1400 MBps (write)
<b>4KB Random Read</b>	210000 IOPS
<b>4KB Random Write</b>	355000 IOPS
Reliability	
<b>MTBF</b>	2,000,000 hours
Expansion & Connectivity	
<b>Interfaces</b>	1 x PCI Express 3.0 (NVMe) - M.2 Card
<b>Compatible Bay</b>	M.2 2280
Power	
<b>Power Consumption</b>	180 mW (average) 7000 mW (max read) 7000 mW (max write)
Software & System Requirements	
<b>Software Included</b>	Acronis True Image, Crucial Storage Executive
Miscellaneous	
<b>Compliant Standards</b>	UL, TUV, VCCI, BSMI, FCC, WEEE, ICES, halogen-free, KC, China RoHS, RCM, Morocco, Ukraine
<b>Package Type</b>	Retail
Dimensions & Weight (Shipping)	
<b>Shipping Weight</b>	251 g
Manufacturer Warranty	
<b>Service &amp; Support</b>	Limited warranty - 5 years
Environmental Parameters	
<b>Min Operating Temperature</b>	0 °C
<b>Max Operating Temperature</b>	70 °C