

## Produktinformation



### Information

<i>Tillverkare</i>	Micron Technology
<i>Artnr</i>	CT250MX500SSD1

## Crucial MX500 - Solid state drive - encrypted - 250 GB - internal - 2.5" - SATA 6Gb/s - 256-bit AES - TCG Opal Encryption 2.0

Every time you turn on your computer, you're using your storage drive. It holds all your irreplaceable files and it loads and saves what your system does. Join more and more people who are keeping their family videos, travel photos, music, and important documents on an SSD, and get the near-instant performance and lasting reliability that comes with solid state storage.

## 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>NAND Flash Memory Type</b>	3D triple-level cell (TLC)
<b>Form Factor</b>	2.5"
<b>Interface</b>	SATA 6Gb/s
<b>Features</b>	TRIM support, Error Correction Code (ECC), Adaptive Thermal Protection, Microsoft eDrive compatible, Redundant Array of Independent NAND, Multistep Data Integrity Algorithm, Active Garbage Collection, dynamic write acceleration, upgradable firmware, 3D NAND Technology, Device Sleep support, power loss data protection, S.M.A.R.T.
<b>Height</b>	7 mm

### Performance

<b>SSD Endurance</b>	100 TB
<b>Drive Transfer Rate</b>	600 MBps (external)
<b>Internal Data Rate</b>	560 MBps (read) / 510 MBps (write)
<b>4KB Random Read</b>	95000 IOPS

<b>4KB Random Write</b>	90000 IOPS
Reliability	
<b>MTBF</b>	1,800,000 hours
Expansion & Connectivity	
<b>Interfaces</b>	1 x SATA 6 Gb/s - 7 pin Serial ATA
<b>Compatible Bay</b>	2.5"
Software & System Requirements	
<b>Software Included</b>	Acronis True Image
Miscellaneous	
<b>Included Accessories</b>	2.5mm mounting spacer
<b>Compliant Standards</b>	UL, TUV, VCCI, C-Tick, BSMI, RRL, IC, FCC, RoHS, KCC, WEEE, halogen-free, China RoHS, SATA-IO, IEEE 1667, Morocco
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