

# Crucial MX500

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<b>Artikel</b>	101874
<b>Herstellernummer</b>	CT250MX500SSD1
<b>EAN</b>	0649528785046
Crucial	

## it's worth it.

Every time you turn on your computer, you're using your storage drive. It holds all your irreplaceable files and it loads and saves almost everything 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. Upgrade with the Crucial MX500 SSD, a drive built on quality, speed, and security that's all backed by helpful service and support. Even if you've never installed an SSD, don't sweat it – our step-by-step guide walks you through the process to make installation easy. It's worth it.

## Fly through everything you do

Start your system in seconds, load files almost instantly, and accelerate the most demanding applications with the Crucial MX500. Our Dynamic Write Acceleration technology uses an adaptable pool of high-speed, single-level cell flash memory to generate blistering speeds.

## Store up to 2TB of data

Save massive amounts of photos, music, and videos comfortably and securely. With fast access to your media, creations, and designs, you're ready to share at the speed of your life.

## Enjoy the efficiency of next-gen Micron® 3D NAND

Our cutting-edge components are engineered from start to finish for efficiency. As a result, the Crucial MX500 uses only a minimal amount of power and still delivers a high price-to-performance ratio – without needing a financing plan to pay for it. Experience a faster, cooler, and quieter computer in your home or business. You'll wonder how you ever put up with a hard drive.

## Upgrade with a drive you can count on

With thousands of hours of pre-release validation, dozens of SSD qualification tests, and a heritage of award-winning SSDs, the Crucial MX500 has been thoroughly tried, tested, and proven. Secure your most important files on a drive with established dependability and these advanced features.

**Hardware-based encryption:** Keep personal files and confidential data restricted from hackers and thieves with AES 256-bit encryption that meets all industry standards, including Microsoft® eDrive, IEEE- 1667, and TCG Opal 2.0.

**Integrated Power Loss Immunity:** Avoid unintended data loss when the power unexpectedly goes out. This built-in feature of our new NAND protects your data swiftly and efficiently, so if your system suddenly shuts down, you keep all your saved work.

**Exclusive Data Defense:** Prevent your photos, music, videos, and other files from becoming corrupted and unusable with layers of error correction and adaptive read technology.

**Redundant Array of Independent NAND:** Protect your data at the component level with an SSD that automatically provides parity protection for your data. This high-end feature works similarly to how RAID is used with multiple hard drives and maintains the integrity of your data, especially for intense users.

**Built-in durability:** Because SSDs don't use moving parts that wear out over time (unlike hard drives), your files are less susceptible to a crash. SSDs are better equipped to survive physical trauma, like getting dropped, because they don't rely on mechanical parts. Install with confidence

For many people, opening a computer and transferring data seems terrifying. That's why we've made it easy in the step-by-step Crucial SSD Install Guide. Check it out before you buy, then install your own SSD quickly with everything transferred over successfully and hassle-free.

### **Micron® quality – a higher level of reliability.**

As a brand of Micron, one of the largest flash storage manufacturers in the world, the Crucial MX500 is backed by the same quality and engineering innovation that has produced some of the world's most advanced memory and storage technologies for more than 35 years. Split-second speeds, lasting reliability, and a decades-long legacy – upgrading with the Crucial MX500 gives you the best combination of quality, performance, and security. It's worth it.

## **Zusammenfassung**

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Crucial MX500, 250 GB, 2.5", 560 MB/s, 6 Gbit/s

Crucial MX500. SSD capacity: 250 GB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 510 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC/Laptop

## Merkmale

### Logistics data

Harmonized System (HS) code 84717070

### Operational conditions

Operating temperature (T-T) 0 - 70 °C

### Other features

Product colour Silver

### Features

Security algorithms	256-bit AES
SSD form factor	2.5"
SSD capacity	250 GB
Interface	Serial ATA III
Component for	PC/Laptop
Hardware encryption	Yes
Data transfer rate	6 Gbit/s
Read speed	560 MB/s
Write speed	510 MB/s
Random read (4KB)	95000 IOPS
Random write (4KB)	90000 IOPS
DevSlp (device sleep) support	Yes
TRIM support	Yes
ECC	Yes
Adaptive thermal protection	Yes
Power loss protection	Yes
Mean time between failures (MTBF)	1800000 h
Exclusive data defense	Yes
Active garbage collection	Yes
Dynamic Write Acceleration (DWA)	Yes
Certification	CE, FCC, BSMI, C-Tick, VCCI, KCC RRL, RoHS, China RoHS, WEEE, TUV, UL, IC, Morocco, Halogen Free, SATA-IO

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.