

CRUCIAL MX500 SSD



Hard decision? Solid choice!

Upgrade your system with the award-winning Crucial® MX500

Start your system in seconds and store up to 4TB¹ of your irreplaceable files with a solid state drive you can count on. Improve your system with the Crucial® MX500 SSD, an SSD built on quality, speed, and security that's all backed by helpful service and support.



Start your system
in seconds



Easy installation



5-year limited
warranty¹

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 4TB of data¹

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 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.

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, Crucial products are backed by the same expert quality and engineering innovation that has produced some of the world's most advanced memory and storage technologies for 40 years.

Life Expectancy (MTTF)

1.8 million hours

Endurance - Total Bytes

Written (TBW)

250GB drive: 100TB, equal to 54GB per day for 5 years

500GB drive: 180TB, equal to 98GB per day for 5 years

1TB drive: 360TB, equal to 197GB per day for 5 years

2TB drive: 700TB, equal to 383GB per day for 5 years

4TB drive: 1000TB, equal to 547GB per day for 5 years

Data Transfer Software

Acronis® True Image™ for Crucial® cloning software

Operating Temperature

0 °C to 70 °C

Compliance

CE, FCC, BSMI, C-Tick, VCCI, KCC RRL, RoHS, China RoHS, WEEE, TUV, UL, IC, Morocco, SATA-IO, UKCA

Advanced Features

- 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
- Self-monitoring and reporting technology (SMART)
- Error correction code (ECC)
- Device sleep support

Warranty²

5-year limited warranty

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® MX500 SATA 6Gb/s 2.5-inch SSD

Capacity ¹	Part Number	Sequential Read ³	Sequential Write ³	Box Contents
4TB	CT4000MX500SSD1	560MB/s	510MB/s	2.5-inch 7-mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial® cloning software and installation instructions
2TB	CT2000MX500SSD1			
1TB	CT1000MX500SSD1			
500GB	CT500MX500SSD1			
250GB	CT250MX500SSD1			

1. Some of the storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes.
2. 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.
3. Typical I/O performance numbers as measured using IOMeter® with a queue depth of 32 and write cache enabled. Fresh out-of-the-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.