

**crucial**  
by Micron

The memory & storage experts™



# BX500

2.5-INCH SOLID STATE DRIVE

## ESSENTIAL PERFORMANCE.

The easiest way to get all the speed of a new computer without the price.

Ever wonder why your phone responds faster than your computer? It's because your phone runs on flash memory. Add flash to your laptop or desktop computer with the Crucial® BX500 SSD, the easiest way to get all the speed of a new computer without the price. Accelerate everything.



### Improve Performance

Boot up faster. Load files quicker. Improve overall system responsiveness for all your computing needs.



### Tools for Easy Installation

Our simple instructions, cloning software, and how-to videos make installation straightforward. Millions of people have upgraded with a Crucial SSD.



### Award-Winning Support

Our expert support team has your questions covered. Reach out via phone, chat, email, or our community forum.



### 3-year Limited Warranty<sup>1</sup>

We back thousands of validation hours, dozens of qualification tests, and a heritage of award-winning SSDs with a 3-year limited warranty.

## Micron® quality—a higher level of reliability

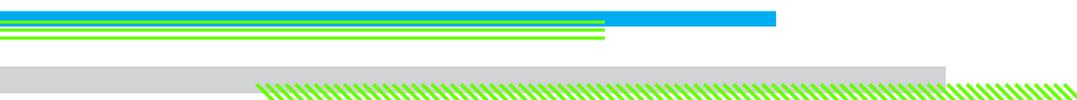
With thousands of hours of Micron pre-release validation, dozens of SSD qualification tests, and a heritage of award-winning SSDs, the Crucial BX500 has been thoroughly tried, tested, and proven.



**6,500+**  
ON-STAFF  
ENGINEERS

**200+**  
AWARDS

**1K+**  
HOURS  
OF VALIDATION



# Crucial® BX500 SATA 6Gb/s 2.5-inch SSD

## Life Expectancy (MTTF)

1.5 million hours

## Endurance

**120GB drive:** 40TB Total Bytes Written (TBW), equal to 21GB per day for 5 years

**240GB drive:** 80TB Total Bytes Written (TBW), equal to 43GB per day for 5 years

**480GB drive:** 120TB Total Bytes Written (TBW), equal to 65GB per day for 5 years

**1000GB drive:** 360TB Total Bytes Written (TBW), equal to 195GB per day for 5 years

**2000GB drive:** 720TB Total Bytes Written (TBW), equal to 390GB per day for 5 years

## Data Transfer Software

Acronis® True Image™ for Crucial® cloning software

## Operating Temperature

0°C to 70°C

## Firmware

User-upgradeable firmware

## Compliance

FCC, UL, TUV, KCC, BSMI, VCCI, CE, WEEE, ROHS, EPEAT, Halogen Free, SATA-IO, ICES

## Advanced Features

- Multistep Data Integrity Algorithm
- Thermal Monitoring
- SLC Write Acceleration
- Active Garbage Collection
- TRIM Support
- Self-Monitoring and Reporting Technology (SMART)
- Error Correction Code (ECC)

## Warranty

Limited three-year warranty

## Installation

For easy-to-follow instructions and our step-by-step guide, visit [crucial.com/ssd-install](http://crucial.com/ssd-install)

## Support

For more resources and warranty information, visit [crucial.com/support](http://crucial.com/support)

Crucial® BX500 2.5-inch Solid State Drive				
Capacity <sup>2</sup>	Part Number	Box Contents	Sequential Read MB/s <sup>3</sup>	Sequential Write MB/s <sup>4</sup>
120GB	CT120BX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions	540	500
240GB	CT240BX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions	540	500
480GB	CT480BX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions	540	500
1000GB	CT1000BX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions	540	500
2000GB	CT2000BX500SSD1	2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions	540	500

1. Warranty valid for three years from the original date of purchase or before writing the maximum total bytes written (TBW) as published on our website 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. Active average power use comparison based on published specs of the 480GB Crucial BX500 SSD and the 1TB Western Digital® Caviar Blue™ WD10EZEX internal hard drive, which, as of July 2018, is one of the industry's top-selling internal hard drives.

4. Typical I/O performance numbers as measured using CrystalDiskMark® with a queue depth of 32 and write cache enabled. Fresh out-of-box (FOB) state is assumed. For performance measurement purposes, the SSD may be restored.