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
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.
# 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

## 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

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<table>
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<tr>
<th>Capacity</th>
<th>Part Number</th>
<th>Box Contents</th>
<th>Sequential Read MB/s(^2)</th>
<th>Sequential Write MB/s(^3)</th>
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<tr>
<td>120GB</td>
<td>CT120BX500SSD1</td>
<td>2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions</td>
<td>540</td>
<td>500</td>
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<tr>
<td>240GB</td>
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<td>2000GB</td>
<td>CT2000BX500SSD1</td>
<td>2.5-inch 7mm SSD SATA 6Gb/s, Acronis® True Image™ for Crucial cloning software and installation instructions</td>
<td>540</td>
<td>500</td>
</tr>
</tbody>
</table>

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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.

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

**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

## Installation
For easy-to-follow instructions and our step-by-step guide, visit crucial.com/ssl-install

## Support
For more resources and warranty information, visit crucial.com/support

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