



PRODUCT HIGHLIGHTS

- Sequential reads/writes up to 535 / 450 MB/s on all file types
- Random reads/writes up to 90k / 87k IOPS on all file types
- Over 15x faster than a typical hard drive¹
- Over 2x more reliable than a typical hard drive²
- Over 2x more energy efficient than a typical hard drive³
- More durable than a hard drive
- Available in 2.5-inch form factor in capacities up to 1TB
- 3 year limited warranty

Crucial® BX100 Solid State Drive

Outlast and outperform your hard drive.

Boot up almost instantly. Load programs in seconds. And accelerate demanding applications with ease. It all starts with ditching your hard drive.

Engineered to outlast and outperform your hard drive, the Crucial® BX100 SSD makes nearly everything on your computer faster and more efficient.



Over 15x faster than a typical hard drive¹

Get more done in less time—or just have more fun. The Crucial BX100 SSD is over 15 times faster than today's best-selling internal hard drive, and delivers true 535 MB/s sequential reads on both compressible and incompressible data. By treating all data the same, the Crucial BX100 allows you to do everything quickly, whether you're saving an image, accessing a ZIP file, or loading a video.



Over 2x more reliable than a typical hard drive²

Protect your data by storing it on the Crucial BX100, which is significantly more reliable than a typical hard drive. In the computer industry, storage drive reliability is measured in mean times between failures (MTBF). Most hard drives have MTBF ratings of 0.6 million hours, whereas the Crucial BX100 has a reliability rating of 1.5 million hours. In practical terms, the more reliable your drive is, the less likely it is to crash.



Over 2x more energy efficient than a typical hard drive³

Run your system longer and harder—using less power. With Extreme Energy Efficiency technology, the Crucial BX100 is over 2x more energy efficient than a typical hard drive. Since SSDs access data digitally rather than seeking it out on a spinning platter, they consume significantly less power.



Better value than a typical SSD

Get more out of your system—without compromising quality. At write speeds up to 450 MB/s, the Crucial BX100 SSD isn't the fastest drive on the market, but that's squarely our intent. We painstakingly engineered the Crucial BX100 to provide a massive performance boost, while also delivering an unrivaled value among SSDs. Make the switch to the Crucial BX100 and get everything you expect from a Crucial SSD at an unexpected value.

Micron® quality—a higher level of reliability.



As a brand of Micron, one of the largest flash storage manufacturers in the world, the Crucial BX100 is backed by the same quality and innovation that has produced some of the world's most advanced memory and storage technologies. With over a thousand hours of prerelease validation testing and hundreds of SSD qualification tests, the Crucial BX100 has been thoroughly tried, tested, and proven. You'll notice the difference.

Crucial® BX100 2.5-inch Solid State Drive

Life Expectancy (MTTF)

1.5 million hours

Endurance

72TB total bytes written (TBW), equal to 40GB per day for 5 years

Warranty

Limited three-year warranty

Operating Temperature

0°C to 70°C

Firmware

User-upgradeable firmware

Support

For installation and warranty information, visit crucial.com/support

Advanced Features

- Thermal Monitoring
- Data Path Protection
- Active Garbage Collection
- TRIM Support
- Self Monitoring and Reporting Technology (SMART)
- Error Correction Code (ECC)

Compliance

CE, FCC, BSMI, C-Tick, VCCI, Kcc, RoHS, China RoHS, WEEE, TUV, UL

CAPACITY	PART NUMBER	BOX CONTENTS	SEQUENTIAL READ MB/s ⁴	SEQUENTIAL WRITE MB/s ⁴	RANDOM READ IOPS ⁴	RANDOM WRITE IOPS ⁴
120 GB	CT120BX100SSD1	2.5" (7 mm) SSD 7 mm – 9.5 mm spacer	535	185	87k	43k
250 GB	CT250BX100SSD1	2.5" (7 mm) SSD 7 mm – 9.5 mm spacer	535	370	87k	70k
500 GB	CT500BX100SSD1	2.5" (7 mm) SSD 7 mm – 9.5 mm spacer	535	450	90k	70k
1 TB	CT1000BX100SSD1	2.5" (7 mm) SSD 7 mm – 9.5 mm spacer	535	450	90k	70k

Note: Some of the storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes. Actual usable capacity may vary.

1. Performance level based on comparative benchmark scores of the Crucial BX100 SSD and the Western Digital® Caviar Blue® WD10EZEX internal hard drive. Actual performance level may vary based on benchmark used and individual system configuration. Test setup: 1TB Crucial BX100 SSD

and 1TB Western Digital Caviar Blue internal hard drive, both tested on an Intel® DZ87RL motherboard, Intel i7-4770K 3.50GHz processor, BIOS Rev. 0327, and Windows® 8 Pro 64-bit operating system using PCMark Vantage HDD test suite. Benchmark testing conducted December 2014.

2. Reliability comparison based on published MTBF ratings of the 1TB Crucial BX100 SSD (1.5 million hours) and the 1TB Western Digital Caviar Blue (0.6 million hours).

3. Hard drive active average power use based on published specs of 1TB Western Digital Caviar Blue internal hard drive.

4. Typical I/O performance numbers as measured using iOMeter® 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 to FOB state using the secure erase command. System variations will affect measured results.