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 drive**

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 drive**

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 drive**

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 535 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**

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>PART NUMBER</th>
<th>BOX CONTENTS</th>
<th>SEQUENTIAL READ MB/s</th>
<th>SEQUENTIAL WRITE MB/s</th>
<th>RANDOM READ IOPS</th>
<th>RANDOM WRITE IOPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 GB</td>
<td>CT120BX100SSD1</td>
<td>2.5” (7 mm) SSD, 7 mm – 9.5 mm spacer, Acronis® True Image™ HD certificate</td>
<td>535</td>
<td>185</td>
<td>87k</td>
<td>43k</td>
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<tr>
<td>250 GB</td>
<td>CT250BX100SSD1</td>
<td>2.5” (7 mm) SSD, 7 mm – 9.5 mm spacer, Acronis® True Image™ HD certificate</td>
<td>535</td>
<td>370</td>
<td>87k</td>
<td>70k</td>
</tr>
<tr>
<td>500 GB</td>
<td>CT500BX100SSD1</td>
<td>2.5” (7 mm) SSD, 7 mm – 9.5 mm spacer Acronis® True Image™ HD certificate</td>
<td>535</td>
<td>450</td>
<td>90k</td>
<td>70k</td>
</tr>
<tr>
<td>1 TB</td>
<td>CT1000BX100SSD1</td>
<td>2.5” (7 mm) SSD, 7 mm – 9.5 mm spacer, Acronis® True Image™ HD certificate</td>
<td>535</td>
<td>450</td>
<td>90k</td>
<td>70k</td>
</tr>
</tbody>
</table>

**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® Z87/8701 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.