Crucial® BX500 SSD

Short Product Name	Crucial® BX500 SSD
Full Product Name	Crucial® BX500 [xxxGB] 3D NAND SATA 2.5-inch SSD
Launch Date(s)	**120GB, 240GB, 480GB, 960GB** 20 Jul: 2nd tier OEM enablement 14 Aug: APAC, LATAM 28 Aug: ROW 01 Oct: 960GB EOL **1TB, 2TB** 01 Oct: Worldwide
Target Personas	IT managers at small businesses
Headline	Essential performance for your workforce.
Short Description	The easiest way to speed up a computer and extend its life without the cost of replacing it.
Long Description	Replacing all the aging computers in your business can be expensive! For a fraction of the cost, you can upgrade your computers and accelerate your business with Crucial® BX500 SSDs. Adding a flash-based storage drive improves performance and extends your purchase cycle, lowering your total cost of ownership. It's the easiest way to speed up a computer and extend its life without the price. Accelerate everything.
Key Features	• Boot up quicker, load files faster, and improve overall system responsiveness • 300% faster than a typical hard drive[1] • Improves battery life because it's 45x more energy efficient than a typical hard drive[2] • Micron® 3D NAND – advancing the world's memory and storage technology for 40 years
User Benefits *Listed in order of importance*	**Improve Productivity** Improve employee efficiency at a reasonable cost. Boot up quicker and load files faster to improve overall system responsiveness for all computing needs.

	Extended Usage Take advantage of extended usage when upgrading your system with a new SSD. Ensuring your business needs are met while software updates, currently Microsoft® Windows 10®, take place is invaluable. **Award-Winning Support** Get all questions answered by our expert support team. Read articles about SSDs, connect with other users on our forum, or chat live with one of our specialists. **3-year Limited Warranty**[3] We back thousands of validation hours, dozens of qualification tests, and a heritage of award-winning SSDs with a 3-year limited warranty.
Micron Proof Points	**Micron® quality—a higher level of reliability** As a brand of Micron®, one of the largest flash storage manufacturers in the world, Crucial® is 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. 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.
Tags, Keywords, Search Terms	Crucial, bx500, ssd, solid state drive, ssd drive, 120gb, 240gb, 250gb, 480gb, 500gb, ssd vs hdd, desktop ssd, laptop ssd, mx500, mx300, mx200, bx300, bx100, hdd, hard drive, disk drive, storage, flash storage, nand, performance, Micron, sata, sata 3, sata III, sata 6gb/s, upgrade, speed, fast, faster, easy, efficient, efficiency, quality, reliable, durable, secure, computer improvement, improve computer, boot up, start, load, save, install, ssd install, award winning, expert, accelerate, business, tco, extend life, usage, it, workforce, save, budget, purchase cycle, support

Shipping Package Type

Capacity[4]	120GB	240GB	480GB	1000GB	2000GB
Part Numbers	CT120BX500SSD1	CT240BX500SSD1	CT480BX500SSD1	CT1000BX500SSD1	CT2000BX500SSD1
UPC	649528787316	649528787323	649528787330	649528821553	649528821584
JAN CODE	4540395601056	4540395601063	4540395601070	4540395602589	4540395602619
Shipping Package Type	Recyclable Cardboard Box				
Shipping Weight	0.12 lbs, 0.055 kg				
Package Dimensions	3.75 x 5.0 x 0.5 inches				

Shipping Package Type - Z

Capacity	120GB	240GB	480GB	1000GB	2000GB
Part Numbers	CT120BX500SSD1Z	CT240BX500SSD1Z	CT480BX500SSD1Z	CT1000BX500SSD1Z	CT2000BX500SSD1Z
UPC	649528787668	649528787675	649528787682	649528821577	649528821607
JAN CODE	4540395602107	4540395602114	4540395602121	4540395602602	4540395602633
Shipping Package Type	Frustration Free				
Shipping Weight	.225 lbs, 0.102 kg				
Package Dimensions	7 x 9 inches (envelope)				

Shipping Package Type - T

Capacity	120GB	240GB	480GB	1000GB	2000GB
Part Numbers	CT120BX500SSD1T	CT240BX500SSD1T	CT480BX500SSD1T	CT1000BX500SSD1T	CT2000BX500SSD1T
UPC	649528787606	649528787620	649528787644	649528821560	649528821591
JAN CODE	4540395602138	4540395602145	4540395602152	4540395602596	4540395602626

Shipping Package Type	Tray
Shipping Weight	6.144 (lbs), 2.788 kg
Package Dimensions	12.5 x 12.5 x 6 inches

Technical Product Information

Sequential Read[5]	540 MB/s	
Sequential Write[5]	500 MB/s	
Form Factor	2.5-inch 7mm	
Product Dimensions	0.275 x 3.95 x 2.75 inch	
Memory Type	Micron® 3D NAND	
Interface	SATA III 6 Gb/s	
MTTF	1.5M hours	
Endurance	120GB: 40TB total bytes written (TBW) 240GB: 80TB total bytes written (TBW) 480GB: 120TB total bytes written (TBW) 1000GB: 360TB total bytes written (TBW) 2000GB: 720TB total bytes written (TBW)	
Operating Temperature	0°C to 70°C	
Power Usage	**120GB, 240GB, 480GB** Average Active Power (mW): 60 Max Read Operating (mW): 3000 Max Write Operating (mW): 3000	**1TB, 2TB** Average Active Power (mW): 100 Max Read Operating (mW): 6000 Max Write Operating (mW): 6000
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)	
Compliance	FCC, UL, TUV, KCC, BSMI, VCCI, CE, WEE, ROHS, EPEAT, Halogen Free, SATA-IO, ICES	

Country of Origin	China
Warranty	3-year limited warranty[3]
Included Accessories	Crucial® Storage Executive, Acronis® True Image for Crucial, Crucial Easy SSD Install Guide
Footnotes	©2018 Micron Technology, Inc. All rights reserved. Information, products, and/or specifications are subject to change without notice. Neither Crucial nor Micron Technology, Inc. is responsible for omissions or errors in typography or photography. Micron, the Micron logo, Crucial, the Crucial logo, and The memory & storage experts are trademarks or registered trademarks of Micron Technology, Inc. All other trademarks are the property of their respective owners. 1. Speed comparison based on published specs of the Crucial BX500 and the 1TB Western Digital® Caviar Blue™ internal hard drive (WD10EZEX), which as of July 2018, is one of the industry's top-selling internal hard drives. 2. 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. 3. Warranty valid for three 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. 4. 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. 5. 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 to FOB state using the secure erase command. System variations will affect measured results.