

Crucial® P1 SSD

Short Product Name	Crucial® P1 SSD
Full Product Name	Crucial® P1 [xxxGB] 3D NAND NVMe™ PCIe® M.2 SSD
Launch Date(s)	October 16, 2018
Target Personas	IT Managers and Small Business Owners
Headline	Fast capacity for less for your workforce.
Short Description	For a workforce that requires more storage and demands better performance, the Crucial® P1 SSD delivers. With capacities up to 2TB and performance accelerated by the latest NVMe™ PCIe® technology, the P1 is designed to be one of the most beneficial upgrades for business computers.
Long Description	For your high productivity workforce that requires more storage and demands better performance, the Crucial® P1 SSD delivers. Capacities start at 500GB and scale to 2TB. Accelerate performance with the latest NVMe™ PCIe® technology. The P1 is designed to be one of the most beneficial upgrades for business computers — storage, speed, and dependability.
Key Features	<ul style="list-style-type: none"> • Capacities up to 2TB with sequential reads/writes up to 2,000/1,750 MB/s • NVMe™ PCIe® interface marks the next step in storage innovation • Micron® 3D NAND – advancing the world's memory and storage technology for 40 years • 5-year limited warranty¹
User Benefits <i>Listed in order of importance</i>	<p>Room to Spare Securely load and store up to 2TB of important files on Micron® NAND in a tiny M.2 form factor.</p> <p>Vital Performance NVMe™ PCIe® technology delivers sequential read/write speeds up to 2,000/1,750 MB/s so work gets done faster.</p> <p>Lasting Value The Crucial P1 SSD is designed to be the only storage upgrade you'll need with an affordable blend of performance and capacity.</p> <p>5-year Limited Warranty¹ We back thousands of validation hours, dozens of qualification tests, and a heritage of award-winning SSDs with a 5-year limited warranty.</p>
Micron Proof Points (3 parts of the	<p>One of the Largest Storage Manufacturers Worldwide</p> <p>Crucial® is backed by Micron's expert quality and engineering innovation. Micron has produced some of the world's most advanced memory and storage technologies for 40 years.</p>

<p>carousel; each have their own headline. Different picture for background).</p>	<p>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.</p> <p>Crucial Has a Legacy of Award-Winning Drives Legacy of Crucial Awards</p>
<p>Tags, Keywords, Search Terms</p>	<p>Crucial, p1, ssd, solid state drive, ssd drive, 500gb, 1tb, 2tb, pcie, nvme, gen 3, ssd vs hdd, desktop ssd, laptop ssd, mx500, bx500, hdd, hard drive, disk drive, storage, flash storage, nand, performance, Micron, 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, workforce, b2b</p>

Retail Box

Capacity ²	500GB	1TB	2TB
Part Numbers	CT500P1SSD8	CT1000P1SSD8	CT2000P1SSD8
UPC	649528787347	649528787354	649528787361
JAN CODE	4540395602237	4540395602244	4540395602251
Shipping Package Type	Cardboard box		
Shipping Weight	0.553 lb / 0.251 kg		
Package Dimensions	3.75 x 5.0 x 0.5 inches		

Frustration-free Envelope

Capacity ²	500GB	1TB	2TB
Part Numbers	CT500P1SSD8Z	CT1000P1SSD8Z	CT2000P1SSD8Z
UPC	649528787866	649528787873	649528787880
JAN CODE	4540395602299	4540395602305	4540395602312
Shipping Package Type	Envelope		
Shipping Weight	0.67 lb / 0.304 kg		

Package Dimensions	7 x 9 inches
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50-piece Tray

Capacity ²	500GB	1TB	2TB
Part Numbers	CT500P1SSD8T	CT1000P1SSD8T	CT2000P1SSD8T
UPC	649528787835	649528787842	649528787859
JAN CODE	4540395602268	4540395602275	4540395602282
Shipping Package Type	PVC tray		
Shipping Weight	2.478 lbs / 1.124 kg		
Package Dimensions	12.5 x 12.5 x 6 inches		

Technical Product Information

Capacity ²	500GB	1TB	2TB
Sequential Read ³	1,900 MB/s	2,000 MB/s	2,000 MB/s
Sequential Write ³	950 MB/s	1,700 MB/s	1,750 MB/s
4KB Random Read ³	90k IOPS	170k IOPS	250k IOPS
4KB Random Write ³	220k IOPS	240k IOPS	250k IOPS
Form Factor	M.2		
Product Dimensions	22mm x 80mm		
Product Weight	.037 lb / .017 kg		
Memory Type	Micron® 3D QLC NAND Flash		
Controller	SM2263		
Interface	PCIe® NVMe™ Gen 3		
MTTF	1.5 million hours		
Endurance	Up to 200TB		
Operating Temperature	0°C to 70°C		

Power Usage	Active Average: 100mW
Hardware Encryption	No
Advanced Features	Dynamic Write Acceleration, Redundant Array of Independent NAND (RAIN), Multistep Data Integrity Algorithms, Adaptive Thermal Protection, Integrated Power Loss Immunity, Active Garbage Collection, TRIM Support, NVMe standard Self-Monitoring and Reporting Technology (SMART), Error Correction Code (ECC), NVMe Autonomous Power State Transition (APST) Support
Compliance	FCC, UL, TUV, KCC, BSMI, VCCI, CE, WEEE, ROHS, Halogen Free, ICES
Country of Origin	Mexico
Warranty	5-year limited warranty ¹
Included Accessories	Crucial® Storage Executive Acronis® True Image for Crucial Crucial Easy SSD Install Guide
Footnotes	<p>©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.</p> <ol style="list-style-type: none"> 1. Warranty valid for five 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. 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. Typical I/O performance numbers as measured using CrystalDiskMark® with write cache enabled, a queue depth of 64 (QD = 8, Threads = 8). 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.