

Crucial® MX300 2.5-inch Internal Solid State Drive

Part Number	CT275MX300SSD1	CT525MX300SSD1	CT1050MX300SSD1	CT2050MX300SSD1
UPC	649528777195	649528777201	649528778277	649528778284
JAN CODE	4540395601643	4540395601650	4540395601667	4540395601674
Product Title Short	Crucial® MX300 275GB 2.5" SSD	Crucial® MX300 525GB 2.5" SSD	Crucial® MX300 1TB 2.5" SSD	Crucial® MX300 2TB 2.5" SSD
Product Title Long	Crucial® MX300 275GB SATA 2.5" 7mm (with 9.5mm adapter) Internal Solid State Drive	Crucial® MX300 525GB SATA 2.5" 7mm (with 9.5mm adapter) Internal Solid State Drive	Crucial® MX300 1TB SATA 2.5" 7mm (with 9.5mm adapter) Internal Solid State Drive	Crucial® MX300 2TB SATA 2.5" 7mm (with 9.5mm adapter) Internal Solid State Drive
Capacity ¹	275GB	525GB	1TB	2TB
Sequential Read ²	530 MB/s	530 MB/s	530 MB/s	530 MB/s
Sequential Write ²	500 MB/s	510 MB/s	510 MB/s	510 MB/s
4KB Random Read ³	55,000 IOPS	92,000 IOPS	92,000 IOPS	92,000 IOPS
4KB Random Write ³	83,000 IOPS	83,000 IOPS	83,000 IOPS	83,000 IOPS
Type	2.5-inch			
Height	7mm (with 9.5mm adapter)			
Memory Type	Micron® 3D TLC NAND			
Controller	Marvell® 88SS1074 Controller with Crucial® Custom Firmware			
Interface	SATA 6Gbps (SATA III)			
MTTF	1.5 million hours			
Endurance	Total Bytes Written (TBW): 275GB – 80 TBW, 525GB – 160 TBW, 1TB – 360 TBW, 2TB – 400 TBW			
Operating Temperature	0°C to 70°C			
Hardware Encryption	AES-256 encryption engine, TCG Opal 2.0 compliant, IEEE-1667 complaint, Microsoft® eDrive® compatible			
Advanced Features	Dynamic Write Acceleration, Redundant Array of Independent NAND, Multistep Data Integrity Algorithm, Adaptive Thermal Protection, Power Loss Protection, Data Path Protection, Active Garbage Collection, TRIM Support, Self-Monitoring and Reporting Technology (SMART), Error Correction Code (ECC), Device Sleep Support			
Compliance	CE, FCC, BSMI, C-Tick, VCCI, Kcc, RoHS, China RoHS, WEEE, TUV, UL, SATA-IO			
Country of Origin	Singapore; China			
Shipping Package Type	Cardboard box			
Shipping Weight	0.142kg			
Package Dimensions	130.18mm x 130.18mm x 19.05mm (W x H x D)			

Crucial® MX300 M.2 Type 2280SS Internal Solid State Drive

Part Number	CT275MX300SSD4	CT525MX300SSD4	CT1050MX300SSD4
UPC	649528778291	649528778307	649528778314
JAN CODE	4540395601681	4540395601698	4540395601704
Product Title Short	Crucial® MX300 275GB M.2 Type 2280SS SSD	Crucial® MX300 525GB M.2 Type 2280SS SSD	Crucial® MX300 1TB M.2 Type 2280SS SSD
Product Title Long	Crucial® MX300 275GB M.2 Type 2280SS Internal Solid State Drive	Crucial® MX300 525GB M.2 Type 2280SS Internal Solid State Drive	Crucial® MX300 1TB M.2 Type 2280SS Internal Solid State Drive
Capacity ¹	275GB	525GB	1TB
Sequential Read ²	530 MB/s	530 MB/s	530 MB/s
Sequential Write ²	500 MB/s	510 MB/s	510MB/s
4KB Random Read ²	55,000 IOPS	92,000 IOPS	92,000 IOPS
4KB Random Write ²	83,000 IOPS	83,000 IOPS	83,000 IOPS
Type	M.2 Type 2280SS		
Height	3.58 mm		
Memory Type	Micron® 3D TLC NAND		
Controller	Marvell® 88SS1074 Controller with Crucial® Custom Firmware		
Interface	SATA 6Gbps (SATA III)		
MTTF	1.5 million hours		
Endurance	Total Bytes Written (TBW): 275GB – 80 TBW, 525GB – 160 TBW, 1TB – 360 TBW		
Operating Temperature	0°C to 70°C		
Hardware Encryption	AES-256 encryption engine, TCG Opal 2.0 compliant, IEEE-1667 complaint, Microsoft® eDrive® compatible		
Advanced Features	Dynamic Write Acceleration, Redundant Array of Independent NAND, Multistep Data Integrity Algorithm, Adaptive Thermal Protection, Power Loss Protection, Data Path Protection, Active Garbage Collection, TRIM Support, Self-Monitoring and Reporting Technology (SMART), Error Correction Code (ECC), Device Sleep Support		
Compliance	CE, FCC, BSMI, C-Tick, VCCI, Kcc, RoHS, China RoHS, WEEE, TUV, UL, SATA-IO		
Country of Origin	Singapore; China		
Shipping Package Type	Plastic (PET) Clamshell		
Shipping Weight	0.0269kg		
Package Dimensions	29.85mm x 3.75mm x 50.80mm (W x H x L)		

Product Description Options

For additional content and images please contact your channel marketing or regional marketing specialist.

25 Word Description	Increase the speed, durability, and efficiency of your system for years to come with the Crucial® MX300 SSD.
50 Word Description	Boot up in seconds and fly through the most demanding applications with the Crucial® MX300 SSD. Increase the speed, durability, and efficiency of your system for years to come with an SSD that combines the latest 3D NAND flash technology with the proven performance of previous MX-series SSDs.
100 Word Description	<p>Instant performance that lasts.</p> <p>Increase the speed, durability, and efficiency of your system for years to come with the Crucial® MX300 SSD. Boot up in seconds and fly through the most demanding applications with an SSD that fuses the latest 3D NAND flash technology with the proven success of previous MX-series SSDs. Your storage drive isn't just a container, it's the engine that loads and saves everything you do and use. Get more out of your computer by boosting nearly every aspect of performance.</p>

Footnotes

¹Some 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.

²Typical 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.