

# Crucial® M500 SATA 6Gb/s Solid State Drive

Capacity <sup>1</sup> (Unformatted)	120GB	240GB	480GB	960GB
Interface	SATA 6Gb/s (SATA 3Gb/s compatible)	SATA 6Gb/s (SATA 3Gb/s compatible)	SATA 6Gb/s (SATA 3Gb/s compatible)	SATA 6Gb/s (SATA 3Gb/s compatible)
Sustained Sequential Read <sup>2</sup> up to (128k transfer)	500MB/s	500MB/s	500MB/s	500MB/s
Sustained Sequential Write <sup>2</sup> up to (128k transfer)	130MB/s	250MB/s	400MB/s	400MB/s
Random Read up to <sup>3</sup> (4k transfer)	62,000 IOPS	72,000 IOPS	80,000 IOPS	80,000 IOPS
Random Write up to <sup>3</sup> (4k transfer)	35,000 IOPS	60,000 IOPS	80,000 IOPS	80,000 IOPS
Form Factor	2.5-inch, mSATA, and M.2	2.5-inch, mSATA, and M.2	2.5-inch, mSATA, and M.2	2.5-inch
NAND	20nm Micron MLC NAND			
Life Expectancy	1.2 million hours mean time to failure (MTTF)			
Warranty	Limited three year warranty			
Endurance	72TB total bytes written (TBW), equal to 40GB per day for 5 years			
Operating Temperature	0°C to 70°C			
Compliance	CE, FCC, BSMI, C-Tick, VCCI, Kcc, RoHS, China RoHS, WEEE, TUV, UL, SATA-IO, IC			
Firmware	Field upgradable firmware			
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) commands			

## Crucial® M500 SSD ordering information

Description	Part Number	Contains
Crucial M500 120GB 2.5-inch Internal SSD	CT120M500SSD1.PK01	2.5-inch (7mm) SSD with 9.5mm adapter
Crucial M500 240GB 2.5-inch Internal SSD	CT240M500SSD1.PK01	2.5-inch (7mm) SSD with 9.5mm adapter
Crucial M500 480GB 2.5-inch Internal SSD	CT480M500SSD1.PK01	2.5-inch (7mm) SSD with 9.5mm adapter
Crucial M500 960GB 2.5-inch Internal SSD	CT960M500SSD1.PK01	2.5-inch (7mm) SSD with 9.5mm adapter
Crucial M500 120GB mSATA Internal SSD	CT120M500SSD3.PK01	mSATA SSD, 2 mounting screws
Crucial M500 240GB mSATA Internal SSD	CT240M500SSD3.PK01	mSATA SSD, 2 mounting screws
Crucial M500 480GB mSATA Internal SSD	CT480M500SSD3.PK01	mSATA SSD, 2 mounting screws
Crucial M500 120GB M.2 Internal SSD	CT120M500SSD4.PK01	M.2 (2280-D2-B-M) SSD
Crucial M500 240GB M.2 Internal SSD	CT240M500SSD4.PK01	M.2 (2280-D2-B-M) SSD
Crucial M500 480GB M.2 Internal SSD	CT480M500SSD4.PK01	M.2 (2280-D2-B-M) SSD

<sup>1</sup> Some of the listed storage capacity is used for formatting and other purposes and is not available for data storage. 1GB equals 1 billion bytes.

<sup>2</sup> Performance measured using IOMeter\* with Queue Depth 32.

<sup>3</sup> Performance measured using IOMeter\* with Queue Depth 32. Measurements are performed on 8GB of LBA range on a full SSD.

<sup>1</sup>1GB = 1 billion bytes. Actual usable capacity may vary.

\*Other names and brands may be claimed as the property of others.