

Product Specification

1 TB (1024 GB) MSATA MO-300 SSD



The Integral MO-300 mSATA III 6Gbps SSD delivers all of the advantages of flash memory technology for machines that support the mSATA interface. Designed for ultra-thin laptops, desktops and tablets, they address the need for low powered, compact storage without compromising performance and reliability of solid state drives.

- mSATA is a small form factor SSD that is around 8 times smaller than the typical 2.5 inch SSD / HDD available
- Ideal for adding storage to small form factor and embedded systems
- SATA III super-fast performance delivered by the mSATA at 6Gbps
- Extreme reliability and low power operation
- The ideal SSD drive for embedding into new systems and existing hardware
- 3 year warranty or TBW - whichever is earlier applies

SKU	INSSD1TMSA
EAN	5055288444935

	Width (mm)	Depth (mm)	Height (mm)	Weight (g)
Product	29.85	50.8	3.45	8
Packaging	113	134	14	24

Capacity (GB)	1 TB (1024 GB)
Form factor	mSATA
Mean time between failures (MTBF) (hour)	1500000
TBW rating	400
Flash type	TLC
NVMe (Y/N)	N
Controller type	Silicon Motion SM2258XT
S.M.A.R.T. support (Y/N)	Y
TRIM support (Y/N)	Y
Read speed (MB per second)	520
Write speed (MB per second)	450
Hardware encryption (Y/N)	N

Interface	Serial ATA III
Operating temperature (T-T) (degrees Celcius)	0 - 70
Storage temperature (T-T) (degrees Celcius)	-40 - 85
Operating relative humidity (H-H) (percent)	0 - 90
Certification	CE, FCC, RoHS