



Illustrative image

# SATA SOLID STATE DRIVE

Upgrade your system with the K-memory Sata Solid state Drive

The K-memory Sata Solid state Drive with 3D NAND Flash is 10x faster than a hard drive, available in capacities up to 1TB and .shock- and vibration-resistant for rugged reliability when used in notebooks and other mobile. **Start your system in seconds.**

## Specification

Capacity	1TB	960GB	512GB	480GB	256GB	240GB	128GB	120GB
Part Number	KMSSDA/ 1TB	KMSSDA/ 960GB	KMSSDA/ 512GB	KMSSDA/ 480GB	KMSSDA/ 256GB	KMSSDA/ 240GB	KMSSDA/ 128GB	KMSSDA/ 120GB
Sequential Read / Write (MB/s)	560 / 550	560 / 550	560 / 550	560 / 550	560 / 550	560 / 550	540/480	540/480
Random 4K Read / Write (kIOPS)	95/84	70/65	95/84	70/60	95/81	60/50	95/81	50/40
MTBF (million / hours)	2	1.5	2	1.5	2	1.5	2,0	1.5
Terabytes Written - TBW* <small>Performance may vary based on SSD capacity, hardware test platform, test software, operating systems, and other system variable</small>	640TB	320TB	320TB	160TB	160TB	80TB	80TB	40TB

- Interface: SATA 3 6 Gb/s
- Form Factor: 2.5"
- Dimension (L x W x H): 100.45 x 69.85 x 7mm
- Weight: 46g / 0.1lb
- Warranty: 3 Year
- Compliance CE, FCC, BSMI, C-Tick, VCCI, KCC, RRL, RoHS, China RoHS, WEEE, TUV, UL, IC, Marocco, SATA-IO, UKCA
- Power consumption 0.195W idle / 0.279W avg / 0.642W (MAX) read / 1.535W (MAX) write
- Error correction: ECC

- Nand Flash: 3D NAND
- Trim support
- Multistep data
- Device sleep support
- SLC Write Acceleration
- Operating temperature: : 0°C-70°C
- Storage temperature: -40°C-85°C
- O/S Supported: Windows® 7\* / 8.0\* / 8.1 / 10 / 11 (\*May require driver)
- Shock resistance: 1,500G/0.5m/sec
- Vibration Operating: 5 gRMS, 10-200 Hz
- Vibration Non operating: 4,9 gRMS, 7-800 Hz

Warranty: 36 months

With immediate exchange offered directly by local supplier worldwide

INFORMATION PROVIDED IN THIS DOCUMENT PERTAIN TO K-MEMORY - PRODUCTS AND IS SUBJECT TO CHANGE AT ANY TIME

[www.k-memory.com](http://www.k-memory.com) support: [contact@k-memory.com](mailto:contact@k-memory.com)