

# K-MEMORY

## M.2 2280 NVME PCIe Gen 3 SOLID STATE DRIVE



Upgrade your system with the K-MEMORY M.2 2280 NVME Solid State Drive. The K-MEMORY M.2 2280 NVME PCIe Gen 3 Solid State Drive with 3D NAND Flash is 10X x faster than a Sata SSD, 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	KMSSDG /1TB	KMSSDG/ 960GB	KMSSDG/ 512GB	KMSSDG/ 480GB	KMSSDG/ 256GB	KMSSDG/ 240GB	KMSSDG/ 128GB	KMSSDG/ 120GB
Sequential Read / Write (MB/s)	3500/2800	2400/1700	3500/2800	2400/1700	3500/2800	2400/1700	3500/2800	2400/1700
Random 4K Read / Write (kIOPS)	100/190	96/76	100/190	96/76	100/190	96/76	100/190	96/76
MTBF (million / hours)	2	1.5	2	1.5	2	1.5	2	1.5
Terabytes Written - TBW* Performance may vary based on SSD capacity, hardware test platform, test software, operating systems, and other system variable	640TB	448TB	320TB	224TB	160TB	112TB	80TB	56TB

- Interface: PCIe Gen 3 , Compliant with NVME 1.3 register interface and command set. Compliant with PCIe Express 3.1
- Dimension (L x W x H): 22mm x 80mm x 2.2mm
- Weight: 7g
- 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
- Nand Flash: 3D NAND
- Trim support
- Multistep data
- Device sleep support
- 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
- Error correction: ECC

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

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