

Samsung PM800 1.8" 128 GB Serial ATA

Brand : Samsung

Product code: MMCRE28G8MXP-0VB00

Product name : PM800

MMCRE28G8MXP - 1.8", 128GB MLC SSD, SATA 3.0Gb/s,

[Samsung PM800 1.8" 128 GB Serial ATA:](#)

what is NAND Flash based SSD?

The Flash SSD(Nand Flash-based Solid State Drive) of SAMSUNG Electronics is fully consist of semiconductor device and using NAND Flash Memory which has a high reliability and a high technology for a storage media. As the Flash SSD doesn't have a moving parts such as platter(Disk) and head media, it gives a good solution in a sub. note PC and Tablet PC for a storage device with a high performance, low power consumption and a small form factor. Also it gives rugged features in industrial PC with an extreme environment and an increased MTBF.

For an easy adoption, the Flash SSD has a same host interface with HDD and has a same physical dimension.

- No Mechanical Moving Parts.

- One Chip controller suitable for Low Power.

Samsung PM800. SSD capacity: 128 GB, SSD form factor: 1.8", Read speed: 220 MB/s, Write speed: 200 MB/s, Data transfer rate: 3 Gbit/s



Features		Power	
SSD form factor *	1.8"	Power consumption (sleep)	0.15 W
SSD capacity *	128 GB	Operational conditions	
Interface *	Serial ATA	Operating temperature (T-T)	0 - 70 °C
Data transfer rate	3 Gbit/s	Storage temperature (T-T)	-55 - 95 °C
Read speed	220 MB/s	Storage relative humidity (H-H)	90 - 98%
Write speed	200 MB/s	Operating shock	1500 G
Bytes per sector	512	Non-operating shock	1500 G
S.M.A.R.T. support	✓	Weight & dimensions	
Mean time between failures (MTBF)	1000000 h	Width	54 mm
Power		Depth	78.5 mm
Operating voltage	3.3 V	Height	5 mm
Power consumption (read)	0.26 W	Weight	40 g
Power consumption (write)	0.26 W	Other features	
Power consumption (standby)	0.15 W	Host transfer rate	300 MB/s



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