

Samsung SM863 2.5" 960 GB Serial ATA III MLC

Brand : Samsung

Product code: MZ-7KM960E

Product name : SM863

960 GB, SATA 6Gb/s, 2.5", SSD

Samsung SM863. SSD capacity: 960 GB, SSD form factor: 2.5", Read speed: 520 MB/s, Write speed: 485 MB/s, Data transfer rate: 6 Gbit/s



Features		Operational conditions	
SSD form factor *	2.5"	Operating relative humidity (H-H)	5 - 95%
SSD capacity *	960 GB	Storage relative humidity (H-H)	5 - 95%
Interface *	Serial ATA III	Operating shock	1500 G
Memory type *	MLC	Non-operating shock	1500 G
Data transfer rate	6 Gbit/s	Weight & dimensions	
Read speed	520 MB/s	Width	100 mm
Write speed	485 MB/s	Depth	9.91 mm
Random read (4KB)	97000 IOPS	Height	70.1 mm
Random write (4KB)	28000 IOPS	Weight	63.5 g
S.M.A.R.T. support	✓	Packaging data	
TRIM support	✓	Quick start guide	✓
RAID support	✓	Manual	✓
Mean time between failures (MTBF)	2000000 h	Package width	241 mm
Power		Package depth	189 mm
Operating voltage	5 V	Package height	188 mm
Power consumption (read)	2.2 W	Package weight	712 g
Power consumption (write)	2.9 W	Package type	Box
Operational conditions		Other features	
Operating temperature (T-T)	0 - 70 °C	Product colour	Black
Storage temperature (T-T)	-40 - 85 °C	Internal	✓

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