

Samsung SM863 2.5" 480 GB Serial ATA III

Brand : Samsung

Product code: MZ-7KM480Z

Product name : SM863

480GB, 2.5", SATA 6Gb/s

Samsung SM863 2.5" 480 GB Serial ATA III:

Samsung's SM863 SSDs feature our own V-NAND technology and are built from Samsung components. They are an ideal storage solution for write-intensive applications such as mail servers, data warehousing and high performance computing, providing high endurance for around the clock operations.

- Featuring Samsung's own cutting-edge 32 layer V-NAND technology
- Built for sustained performance with strong IOPS consistency
- Tantalum capacitors for power loss protection
- Low latency and high quality of service (QoS)

Samsung SM863. SSD capacity: 480 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 temperature (T-T)	0 - 70 °C
SSD capacity *	480 GB	Operating relative humidity (H-H)	5 - 95%
Interface *	Serial ATA III	Weight & dimensions	
Data transfer rate	6 Gbit/s	Width	100 mm
Read speed	520 MB/s	Depth	9.9 mm
Write speed	485 MB/s	Height	70.1 mm
Random read (4KB)	97000 IOPS	Weight	63.5 g
Random write (4KB)	26000 IOPS	Packaging data	
TRIM support	✓	Package width	241 mm
Mean time between failures (MTBF)	2000000 h	Package depth	188.9 mm
Power		Package height	187.9 mm
Operating voltage	5 V	Package weight	712 g
Power consumption (read)	2.2 W	Other features	
Power consumption (write)	2.8 W	Product colour	Black
		Internal	✓

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