

Samsung SM863a 2.5" 480 GB Serial ATA III

Brand : Samsung

Product code: MZ7KM480MHQ-00005

Product name : SM863a



480 GB, 2.5" SSD, SATA 6Gb/s, AES 256-bit, V-NAND

Samsung SM863a. SSD capacity: 480 GB, SSD form factor: 2.5", Read speed: 510 MB/s, Write speed: 485 MB/s, Data transfer rate: 6 Gbit/s

Features		Power	
Security algorithms	256-bit AES	Power consumption (write)	2.8 W
SSD form factor *	2.5"	Power consumption (idle)	1.3 W
SSD capacity *	480 GB	Operational conditions	
Interface *	Serial ATA III	Operating temperature (T-T)	0 - 70 °C
Data transfer rate	6 Gbit/s	Storage temperature (T-T)	-40 - 85 °C
Read speed	510 MB/s	Storage relative humidity (H-H)	5 - 95%
Write speed	485 MB/s	Operating shock	1500 G
Random read (4KB)	95000 IOPS	Weight & dimensions	
Random write (4KB)	19000 IOPS	Width	100.2 mm
S.M.A.R.T. support	✓	Depth	6.8 mm
TRIM support	✓	Height	69.8 mm
Mean time between failures (MTBF)	2000000 h	Weight	64.3 g
Power		Packaging data	
Operating voltage	5 V	Quick start guide	✓
Power consumption (read)	2.3 W	Other features	
		Product colour	Black



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