

Samsung 850 EVO 2.5" 500 GB Serial ATA III MLC

Brand : Samsung

Product code: MZ-75E500Z

Product name : 850 EVO

500 GB, SATA 6Gb/s, 540/520 MB/s R/W, AES 256 bit

Samsung 850 EVO. SSD capacity: 500 GB, SSD form factor: 2.5", Read speed: 540 MB/s, Write speed: 520 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 *	500 GB	Storage temperature (T-T)	-40 - 85 °C
Interface *	Serial ATA III	Operating relative humidity (H-H)	5 - 95%
Memory type *	MLC	Storage relative humidity (H-H)	5 - 95%
Data transfer rate	6 Gbit/s	Operating shock	1500 G
Read speed	540 MB/s	Non-operating shock	1500 G
Write speed	520 MB/s		
Random read (8KB)	98000 IOPS	Weight & dimensions	
Random write (8KB)	90000 IOPS	Width	100 mm
S.M.A.R.T. support	✓	Depth	69.8 mm
TRIM support	✓	Height	6.8 mm
Mean time between failures (MTBF)	1500000 h	Weight	55 g
Power		Packaging data	
Operating voltage	5 V	Quick start guide	✓
Power consumption (read)	3 W	Manual	✓
Power consumption (write)	3 W	Other features	
Power consumption (idle)	0.05 W	Product colour	Black



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