

## Samsung 850 EVO 2.5" 500 GB Serial ATA III MLC

**Brand :** Samsung

**Product code:** MZ-75E500RW

**Product name :** 850 EVO

500GB 850 EVO Starter Kit, SATA III, 2.5"

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		Power	
Security algorithms	256-bit AES	Power consumption (idle)	0.045 W
SSD form factor *	2.5"	Operational conditions	
SSD capacity *	500 GB	Operating temperature (T-T)	0 - 70 °C
Interface *	Serial ATA III	Storage temperature (T-T)	-40 - 85 °C
Memory type *	MLC	Operating relative humidity (H-H)	5 - 95%
Data transfer rate	6 Gbit/s	Storage relative humidity (H-H)	5 - 95%
Read speed	540 MB/s	Non-operating vibration	20 G
Write speed	520 MB/s	Operating shock	1500 G
Random read (4KB)	98000 IOPS	Non-operating shock	1500 G
Random write (4KB)	90000 IOPS	Weight & dimensions	
Storage drive buffer size	512 MB	Width	69.8 mm
S.M.A.R.T. support	✓	Depth	100 mm
TRIM support	✓	Height	6.8 mm
Mean time between failures (MTBF)	1500000 h	Weight	45 g
Windows operating systems supported	✓	Logistics data	
Power		Harmonized System (HS) code	84717070
Power consumption (read)	0.1 W	Other features	
Power consumption (write)	0.1 W	Product colour	Black
		Internal	✓



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