

Samsung 860 EVO 500 GB mSATA Serial ATA V-NAND MLC

Brand : Samsung

Product code: MZ-M6E500BW

Product name : 860 EVO

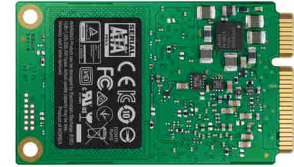
860 EVO, 500 GB, mSATA, 3-CORE MGX 3D-VNAND

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What is 3D V-NAND and how does it differ from existing technology?

Samsung's unique and innovative 3D V-NAND flash memory architecture is a breakthrough in overcoming the density limitations, performance and endurance of today's conventional planar NAND architecture. 3D V-NAND stacks 32 cell layers vertically over one another rather than decreasing cell dimensions and trying to fit itself onto a fixed horizontal space. As a result, the technology provides higher density and better performance utilising a smaller footprint.

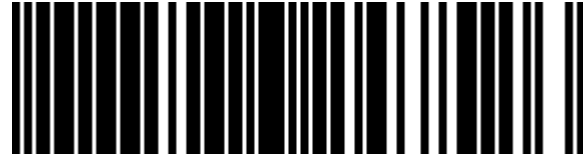
Samsung 860 EVO. SSD capacity: 500 GB, SSD form factor: mSATA, Read speed: 550 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC/Laptop



Features		Features	
Security algorithms	256-bit AES	Mean time between failures (MTBF)	1500000 h
SSD capacity *	500 GB	Power	
SSD form factor *	mSATA	Power consumption (max)	4.5 W
Interface *	Serial ATA	Weight & dimensions	
Memory type *	V-NAND MLC	Width	29.9 mm
Component for *	PC/Laptop	Depth	50.8 mm
Hardware encryption *	✓	Height	3.85 mm
Data transfer rate	6 Gbit/s	Weight	8.5 g
Read speed	550 MB/s	Packaging data	
Write speed	520 MB/s	Package type	Box
Controller type	Samsung MJX	Operational conditions	
DevSlp (device sleep) support	✓	Operating temperature (T-T)	0 - 70 °C
TRIM support	✓	Operating shock	1500 G



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