

Samsung 970 EVO M.2 500 GB PCI Express 3.0 MLC NVMe

Brand : Samsung

Product code: MZ-V7E500E

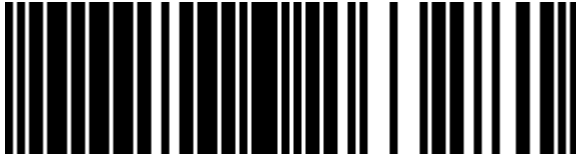
Product name : 970 EVO

500GB, M.2 (2280), 3,400 MB/s, 300 TBW, 8g

Samsung 970 EVO. SSD capacity: 500 GB, SSD form factor: M.2, Read speed: 3400 MB/s, Write speed: 2300 MB/s, Component for: PC



Features		Power	
NAND flash type	MLC (Multi Level Cell)	Operating voltage	3.3 V
NVMe version	1.3	Power consumption (max)	10 W
Security algorithms	256-bit AES	Power consumption (average)	5.7 W
SSD form factor *	M.2	Power consumption (idle)	0.03 W
SSD capacity *	500 GB	Operational conditions	
Interface *	PCI Express 3.0	Operating temperature (T-T)	0 - 70 °C
Memory type *	MLC	Storage temperature (T-T)	-40 - 85 °C
NVMe *	✓	Operating relative humidity (H-H)	5 - 95%
Component for *	PC	Storage relative humidity (H-H)	5 - 95%
Read speed	3400 MB/s	Non-operating vibration	20 G
Write speed	2300 MB/s	Operating shock	1500 G
Random read (4KB)	15000 IOPS	Non-operating shock	1500 G
Random write (4KB)	50000 IOPS	Weight & dimensions	
Controller type	Samsung Phoenix	Width	80.2 mm
PCI Express interface data lanes	x4	Depth	2.38 mm
DevSlp (device sleep) support	✓	Height	22.1 mm
S.M.A.R.T. support	✓	Weight	8 g
IEEE 1667	✓	Packaging data	
Mean time between failures (MTBF)	1500000 h	Bundled software	Magician Software
TBW rating	300	Other features	
		Product colour	Black



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