

Samsung 970 EVO Plus M.2 500 GB PCI Express 3.0 V-NAND MLC NVMe

Brand : Samsung

Product code: MZ-V7S500BW

Product name : 970 EVO Plus



- Always Evolving SSD
- Level up Performance
- Design Flexibility

500GB, M.2, PCIe Gen 3.0 x 4, NVMe 1.3

Samsung 970 EVO Plus. SSD capacity: 500 GB, SSD form factor: M.2, Read speed: 3500 MB/s, Write speed: 3300 MB/s, Component for: PC



Features		Features	
NVMe version	1.3	Mean time between failures (MTBF)	1500000 h
Security algorithms	256-bit AES	Harmonized System (HS) code	84717070
SSD form factor *	M.2	Power	
SSD capacity *	500 GB	Operating voltage	3.3 V
Interface *	PCI Express 3.0	Power consumption (max)	9 W
Memory type *	V-NAND MLC	Power consumption (average)	5.8 W
NVMe *	✓	Power consumption (idle)	0.003 W
Component for *	PC	Operational conditions	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Read speed	3500 MB/s	Weight & dimensions	
Write speed	3300 MB/s	Width	80.2 mm
Random read (4KB)	480000 IOPS	Depth	2.38 mm
Random write (4KB)	550000 IOPS	Height	22.1 mm
Controller type	Samsung Phoenix	Weight	8 g
PCI Express interface data lanes	x4	Packaging data	
DevSlp (device sleep) support	✓	Bundled software	Magician Software for SSD management
S.M.A.R.T. support	✓	Package type	Box
TRIM support	✓	Other features	
		Launch date	1/22/2019



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