

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

Brand : Samsung
Product name : 970 EVO Plus
Product code: MZ-V7S500BW



- Always Evolving SSD
- Level up Performance
- Design Flexibility
MZ-V7S500BW
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	Power	
SSD capacity *	500 GB	Operating voltage	3.3 V
SSD form factor *	M.2	Power consumption (max)	9 W
Interface *	PCI Express 3.0	Power consumption (average)	5.8 W
NVMe *	✓	Power consumption (idle)	0.003 W
Memory type *	V-NAND MLC	Weight & dimensions	
Component for *	PC	Width	80.2 mm
Hardware encryption *	✓	Depth	2.38 mm
Read speed	3500 MB/s	Height	22.1 mm
Write speed	3300 MB/s	Weight	8 g
Random read (4KB)	480000 IOPS	Packaging data	
Random write (4KB)	550000 IOPS	Bundled software	Magician Software for SSD management
Controller type	Samsung Phoenix	Package type	Box
PCI Express interface data lanes	x4	Operational conditions	
DevSlp (device sleep) support	✓	Operating temperature (T-T)	0 - 70 °C
S.M.A.R.T. support	✓	Other features	
TRIM support	✓	Launch date	1/22/2019
		Logistics data	
		Harmonized System (HS) code	84717070



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