

# Samsung 970 EVO Plus M.2 1 TB PCI Express 3.0 NVMe V-NAND MLC

**Brand :** Samsung

**Product code:** MZ-V7S1T0BW

**Product name :** 970 EVO Plus



- Always Evolving SSD
- Level up Performance
- Design Flexibility

MZ-V7S1T0BW

Samsung 970 EVO Plus. SSD capacity: 1 TB, 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	<b>Power</b>	
SSD form factor *	M.2	Operating voltage	3.3 V
SSD capacity *	1 TB	Power consumption (max)	9 W
Interface *	PCI Express 3.0	Power consumption (average)	6 W
NVMe *	✓	Power consumption (idle)	0.003 W
Memory type *	V-NAND MLC	<b>Operational conditions</b>	
Component for *	PC	Operating temperature (T-T)	0 - 70 °C
Hardware encryption *	✓	<b>Weight &amp; dimensions</b>	
Read speed	3500 MB/s	Width	80.2 mm
Write speed	3300 MB/s	Depth	2.38 mm
Random read (4KB)	600000 IOPS	Height	22.1 mm
Random write (4KB)	550000 IOPS	Weight	8 g
Controller type	Samsung Phoenix	<b>Packaging data</b>	
PCI Express interface data lanes	x4	Bundled software	Magician Software for SSD management
DevSlp (device sleep) support	✓	Package type	Box
S.M.A.R.T. support	✓	<b>Logistics data</b>	
TRIM support	✓	Harmonized System (HS) code	84717070
		<b>Other features</b>	
		Launch date	1/22/2019



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