

Samsung 990 PRO M.2 1 TB PCI Express 4.0 NVMe V-NAND MLC

Brand : Samsung

Product code: MZ-V9P1T0BW

Product name : 990 PRO



- Samsung NVMe™ SSD powered by latest in-house controller.
- Up to 7,450 / 6,900 MB/s sequential read/write speed.
- Experience performance of PCIe® Gen 4.0.

MZ-V9P1T0BW

Samsung 990 PRO. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 7450 MB/s, Write speed: 6900 MB/s, Component for: PC



Features		Features	
NVMe version	2.0	External DDR cache quantity	1024 MB
Security algorithms	256-bit AES	Mean time between failures (MTBF)	1500000 h
SSD form factor *	M.2	Power	
SSD capacity *	1 TB	Operating voltage	3.3 V
Interface *	PCI Express 4.0	Power consumption (max)	7.8 W
NVMe *	✓	Power consumption (average)	5.4 W
Memory type *	V-NAND MLC	Operational conditions	
Component for *	PC	Operating temperature (T-T)	0 - 70 °C
Hardware encryption *	✓	Maximum operating temperature	70 °C
Read speed	7450 MB/s	Operating vibration	1500 G
Write speed	6900 MB/s	Technical details	
Random read (4KB)	1200000 IOPS	Warranty period	5 year(s)
Random write (4KB)	1550000 IOPS	Weight & dimensions	
PCI Express interface data lanes	x4	Width	80 mm
DevSlp (device sleep) support	✓	Depth	2.3 mm
S.M.A.R.T. support	✓	Height	22 mm
TRIM support	✓	Weight	9 g
External DDR cache	✓	Packaging data	
		Package type	Box



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