

## Samsung 990 PRO 1 TB M.2 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

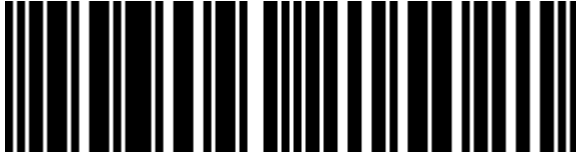
Features		Features	
NVMe version	2.0	External DDR cache quantity	1024 MB
Security algorithms	256-bit AES	Mean time between failures (MTBF)	1500000 h
SSD capacity *	1 TB	<b>Power</b>	
SSD form factor *	M.2	Operating voltage	3.3 V
Interface *	PCI Express 4.0	Power consumption (max)	7.8 W
NVMe *	✓	Power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



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