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

Brand : Samsung

Product code: MZ-V9P1T0BW



990

- 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

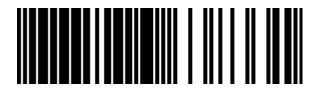
Samsung 990 PRO. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 7450 MB/s, Write speed: 6900 MB/s, Component for: PC



Features

NVMe version	2.0
Security algorithms	256-bit AES
SSD form factor *	M.2
SSD capacity *	1 TB
Interface *	PCI Express 4.0
NVMe *	√
Memory type *	V-NAND MLC
Component for *	PC
Hardware encryption *	1
Read speed	7450 MB/s
Write speed	6900 MB/s
Random read (4KB)	1200000 IOPS
Random write (4KB)	1550000 IOPS
PCI Express interface data lanes	x4
DevSlp (device sleep) support	1
S.M.A.R.T. support	1
TRIM support	1
External DDR cache	1

Features	
External DDR cache quantity	1024 MB
Mean time between failures (MTBF)	1500000 h
Power	
Operating voltage	3.3 V
Power consumption (max)	7.8 W
Power consumption (average)	5.4 W
Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Maximum operating temperature	70 °C
Operating vibration	1500 G
Technical details	
Warranty period	5 year(s)
Weight & dimensions	
Width	80 mm
Depth	2.3 mm
Height	22 mm
Weight	9 g
Packaging data	
Package type	Box





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