SAMSUNG

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 NVMeTM 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/Game console

Features	
NVMe version	2.0
Security algorithms	256-bit AES
SSD capacity *	1 TB
SSD form factor *	M.2
Interface *	PCI Express 4.0
NVMe *	✔
Memory type *	V-NAND MLC
Component for *	PC/Game console
Hardware encryption *	✔
M.2 SSD size	2280 (22 x 80 mm)
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	✔
S.M.A.R.T. support	✔
TRIM support	✔
Mean time between failures (MTBF)	1500000 h

Power	
Operating voltage	3.3 V

Power	
Power consumption (max)	7.8 W
Power consumption (average)	5.4 W
Power consumption (idle)	0.05 W

Weight & dimensions	
Width	80 mm
Depth	2.3 mm
Height	22 mm
Weight	9 g

Packaging data	
Package width	98 mm
Package depth	146 mm
Package height	24 mm
Package weight	83 g
Package type	Box

Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Minimum operating temperature	0 °C
Maximum operating temperature	70 °C
Operating vibration	1500 G
Operating shock	1500 G

Other features	
Warranty period	5 year(s)

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