SAMSUNG

Samsung 990 SSD PCIe 4.0x4 NVMe M.2



Brand : Samsung

Product code: MZ-V9V1T0BW

Product name : 990 SSD PCIe 4.0x4 NVMe M.2



1 TB, PCIe 4.0 x 4, NVMe, M.2 (2280), 7150 MB/s Read, 6450 MB/s Write, 80.15 x 22.15 x 2.38 mm, 9 g
Samsung 990 SSD PCIe 4.0x4 NVMe M.2. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 7150 MB/s, Write speed: 6450 MB/s, Component for: PC

Features	
NVMe version	2.0
Security algorithms	256-bit AES, TCG Opal 2.0
SSD capacity *	1 TB
SSD form factor *	M.2
Interface *	PCI Express 4.0
NVMe *	✔
Memory type *	V-NAND
Component for *	PC
Hardware encryption *	✔
M.2 SSD size	2280 (22 x 80 mm)
Read speed	7150 MB/s
Write speed	6450 MB/s
Random read (4KB)	700000 IOPS
Random write (4KB)	1100000 IOPS
PCI Express interface data lanes	x4
DevSlp (device sleep) support	✔
PCI Express CEM revision	4.0

Features	
S.M.A.R.T. support	✔
TRIM support	✔
Mean time between failures (MTBF)	1500000 h
Power	
Operating voltage	3.3 V
Power consumption (read)	4 W
Power consumption (write)	3.7 W
Power consumption (idle)	0.055 W
Power consumption DevSlp (device sleep)	3 mW
Weight & dimensions	
Width	80.2 mm
Depth	2.38 mm
Height	22.1 mm
Packaging data	
Package type	Box
Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Operating shock	1500 G

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