SAMSUNG

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



Brand : Samsung

Product code: MZ-V9P2T0B/AM

Product name : 990 PRO



- Designed for tech enthusiasts, hardcore gamers and heavy-workload professionals who want blazing fast speed
- Enjoy up to 50% improved performance per watt over 980 PRO, plus optimal power efficiency with max PCIe®4.0 performance
- Sequential read/write speeds up to 7,450/6,900 MB/s

2 TB, M.2, PCIe Gen 4.0 x4, NVMe 2.0, V-NAND MLC
Samsung 990 PRO. SSD capacity: 2 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 capacity *	2 TB
SSD form factor *	M.2
Interface *	PCI Express 4.0
NVMe *	✔
Memory type *	V-NAND MLC
Component for *	PC
Hardware encryption *	✔
M.2 SSD size	2280 (22 x 80 mm)
Read speed	7450 MB/s
Write speed	6900 MB/s
Random read (4KB)	1400000 IOPS
Random write (4KB)	1550000 IOPS
PCI Express interface data lanes	x4
DevSlp (device sleep) support	✔
S.M.A.R.T. support	✔
TRIM support	✔
External DDR cache	✔

Features	
External DDR cache quantity	2048 MB
Mean time between failures (MTBF)	1500000 h
TBW rating	1200
Power	
Operating voltage	3.3 V
Power consumption (average)	5.5 W
Power consumption (idle)	0.055 W
Weight & dimensions	
Width	80 mm
Depth	2.3 mm
Height	22 mm
Weight	9 g
Packaging data	
Package type	Box
Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Minimum operating temperature	0 °C
Maximum operating temperature	70 °C
Operating shock	1500 G



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