

SSD M.2 NVMe 2TB Samsung 990 PRO, 74506900MBs MZ-V9P2T0BW

Šifra: 63124

Kategorija proizvoda: M.2

Proizvođač: Samsung



Cena: **43.350,00** rsd.

General Feature

Application

Client PCs, Game Consoles

Capacity

1,000GB (1GB=1 Billion byte by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

Interface

PCIe Gen 4.0 x4, NVMe 2.0

Dimension (WxHxD)

80 x 22 x 2.3 mm

Weight

Max 9.0g Weight

Form Factor

M.2 (2280)

Storage Memory

Samsung V-NAND 3-bit MLC

Controller

Samsung in-house Controller

Cache Memory

Samsung 1GB Low Power DDR4 SDRAM

Performance

Sequential Read

Up to 7,450 MB/s * Performance may vary based on system hardware & configuration

Sequential write

Up to 6,900 MB/s * Performance may vary based on system hardware & configuration

Random Read (4KB ,QD32)

Up to 1,200,000 IOPS * Performance may vary based on system hardware & configuration

Random Write (4KB ,QD32)

Up to 1,550,000 IOPS * Performance may vary based on system hardware & configuration

Random Read (4KB ,QD1)

Up to 22,000 IOPS * Performance may vary based on system hardware & configuration

Random Write (4KB ,QD1)

Up to 80,000 IOPS * Performance may vary based on system hardware & configuration

Type

Product Type

990 PRO

Environmental Specs

Operating Temperature

0 - 70 °C Operating Temperature

Shock

1,500 G & 0.5 ms (Half sine)

Software

Management SW

Magician Software for SSD management

Warranty

Product

Magician Software for SSD management

Special Feature

TRIM Support

Supported

S.M.A.R.T Support

Supported

GC (Garbage Collection)

Auto Garbage Collection Algorithm

Encryption Support

AES 256-bit Encryption (Class 0)TCG/Opal IEEE1667
(Encrypted drive)

WWN Support

Not supported

Device Sleep Mode Support

Yes

Environment

Average Power Consumption (system level)

*Average: 5.4 W*Maximum: 7.8 W (Burst mode)* Actual
power consumption may vary depending on system
hardware & configuration

Power consumption (Idle)

Max. 50 mW * Actual power consumption may vary
depending on system hardware & configuration

Allowable Voltage

3.3 V \pm 5 % Allowable voltage

Reliability (MTBF)

1.5 Million Hours Reliability (MTBF)