SSD M.2 NVMe 1TB Samsung 990 PRO, 74506900MBs MZ-V9P1T0BW

Šifra: 62533
Kategorija prozivoda: M.2
Proizvođač: Samsung

Cena: 31.350,00 rsd.

General Feature

ApplicationClient PCs, Game Consoles

Capacity1,000GB (1GB=1 Billion byte by IDEMA) *
Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

Form FactorM.2 (2280)

InterfacePCIe Gen 4.0 x4, NVMe 2.0

Dimension (Pack: WxHxD)80 x 22 x 2.3 mm

WeightMax 9.0g Weight

Storage Memory Samsung V-NAND 3-bit MLC

ControllerSamsung in-house Controller

Cache Memory Samsung 1GB Low Power DDR4 SDRAM

Special Feature

TRIM Support Supported

S.M.A.R.T Support Supported

GC (Garbage Collection) Auto Garbage Collection Algorithm

Encryption SupportAES 256-bit Encryption (Class

0)TCG/Opal IEEE1667 (Encrypted drive)

WWN Support Not supported

Device Sleep Mode Support Yes

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

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 Voltage3.3 V ± 5 % Allowable voltage

Reliability (MTBF)1.5 Million Hours Reliability (MTBF)

Operating Temperature0 - 70 ? Operating Temperature

Shock1,500 G & 0.5 ms (Half sine)

Accessories

Installation Kit Not Available

Software

Management SW Magician Software for SSD
management