

SSD M.2 NVMe Samsung 1TB 980 PRO 7000MBs5000MBs, MZ-V8P1T0BW

Šifra: 63126

Kategorija proizvoda: M.2

Proizvođač: Samsung

Cena: **14.890,00** rsd.



General Feature

ApplicationClient PCs

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 1.3c

Dimension (WxHxD)80.15 x 22.15 x 2.38 (mm)

WeightMax 9.0 g Weight

Storage MemorySamsung V-NAND 3-bit MLC

ControllerSamsung Elpis Controller

Cache MemorySamsung 1GB Low Power DDR4 SDRAM

Special Feature

TRIM SupportSupported

S.M.A.R.T SupportSupported

GC (Garbage Collection)Auto Garbage Collection
Algorithm

Encryption SupportAES 256-bit Encryption (Class 0)

TCG/Opal IEEE1667 (Encrypted drive)

WWN SupportNot supported

Device Sleep Mode SupportYes

Performance

Sequential ReadUp to 7,000 MB/s * Performance may vary based on system hardware & configuration

Sequential WriteUp to 5,000 MB/s * Performance may vary based on system hardware & configuration

Random Read (4KB, QD32)Up to 1,000,000 IOPS * Performance may vary based on system hardware & configuration

Random Write (4KB, QD32)Up to 1,000,000 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 60,000 IOPS * Performance may vary based on system hardware & configuration

Environment

Average Power Consumption (system level)

*Average: 6.2 W *Maximum: 8.9 W (Burst mode) * Actual power consumption may vary depending on system hardware & configuration

Power consumption (Idle)Max. 35 mW * Actual power consumption may vary depending on system hardware & configuration

Allowable Voltage3.3 V $\pm$ 5 % Allowable voltage

Reliability (MTBF)1.5 Million Hours Reliability (MTBF)

Operating Temperature0 - 70 °C Operating Temperature

Shock1,500 G & 0.5 ms (Half sine)