

## SSD M.2 NVMe 1TB Samsung 980 EVO, MZ-V8V1T0BW

Šifra: 63127

Kategorija proizvoda: M.2

Proizvođač: Samsung

Cena: **12.780,00** rsd.



## General Feature

**Application**Client PCs

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

**Form Factor**M.2 (2280)

**Interface**PCIe Gen 3.0 x4, NVMe 1.4

**Dimension (Pack: WxHxD)**80.15 x 22.15 x 2.38 (mm)

**Weight**Max 8.0 g Weight

**Storage Memory**Samsung V-NAND 3-bit MLC

**Controller**Samsung Pablo Controller

**Cache Memory**HMB(Host Memory Buffer)

## 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

**WWN Support**Not supported

**Device Sleep Mode Support**Yes

## Performance

**Sequential Read**Up to 3,500 MB/s \* Performance may vary based on system hardware & configuration

**Sequential Write**Up to 3,000 MB/s \* Performance may vary based on system hardware & configuration

**Random Read (4KB, QD32)**Up to 500,000 IOPS \* Performance may vary based on system hardware & configuration

**Random Write (4KB, QD32)**Up to 480,000 IOPS \* Performance may vary based on system hardware & configuration

**Random Read (4KB, QD1)**Up to 17,000 IOPS \* Performance may vary based on system hardware & configuration

**Random Write (4KB, QD1)**Up to 54,000 IOPS \* Performance may vary based on system hardware & configuration

## Environment

### **Average Power Consumption (system level)**

\*Average: 4.6 W\*Maximum: 5.3 W (Burst mode)\* Actual power consumption may vary depending on system hardware & configuration

**Power consumption (Idle)**Max. 45 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)

**Operating Temperature**0 - 70 °C Operating Temperature

**Shock**1,500 G & 0.5 ms (Half sine)