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# SSD M.2 SAMSUNG 990 EVO 1TB PCIe 4.0 x4 MZV9E1T0BW

Šifra: 106248

Kategorija proizvoda: SSD diskovi

Proizvođač: Samsung



**Cena: 11.019 rsd.**

## General Feature

**Application** Client PCs

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

**Dimension (WxHxD)** 80 x 22 x 2.38 mm

**Storage Memory** Samsung V-NAND TLC

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

## Special Feature

**TRIM Support** Supported

**GC (Garbage Collection)** Auto Garbage Collection Algorithm

**WWN Support** Not supported

## Performance

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

**Random Read (4KB, QD32)** Up to 680,000 IOPS \* Performance may vary based on system hardware & configuration

**Random Read (4KB, QD1)** Up to 20,000 IOPS \* Performance may vary based on system hardware & configuration

## Environment

**Average Power Consumption (system level)**

\*Average: Read 4.9 W / Write 4.5 W \* Actual power consumption may vary depending on system hardware & configuration

**Power Consumption (Device Sleep)** Typical 5 mW \* Actual power consumption may vary depending on system hardware & configuration

**Reliability (MTBF)** 1.5 Million Hours Reliability (MTBF)

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

## Accessories

**Installation Kit** Not Available

## Software

**Management SW** Magician Software for SSD management

## Warranty

5-year Limited Warranty or 600 TBW Limited Warranty

**Rated 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® 4.0 x4 / 5.0 x2 NVMe™ 2.0

**Weight** Max 9.0g Weight

**Controller** Samsung in-house Controller

**S.M.A.R.T Support** Supported

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

**Device Sleep Mode Support** Yes

**Sequential Write** Up to 4,200 MB/s \* Performance may vary based on system hardware & configuration

**Random Write (4KB, QD32)** Up to 800,000 IOPS \* Performance may vary based on system hardware & configuration

**Random Write (4KB, QD1)** Up to 90,000 IOPS \* Performance may vary based on system hardware & configuration

**Power consumption (Idle)** Typical 60 mW \* Actual power consumption may vary depending on system hardware & configuration

**Allowable Voltage** 3.3 V ± 5 % Allowable voltage

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