



Firma: BIZ GROUP DOO BEOGRAD
 Adresa: Kapetana Radiča Petrovića 32b
 Telefon: 011 452 52 66, 060 452 52 66
 Fax:
 PIB: 111338015
 E-mail: office@bizgroup.rs

SSD Samsung M.2 500GB 970 EVO PLUS MZ-V7S500BW

Šifra: 18953
 Kategorija proizvoda: SSD M.2
 Proizvođač: SAMSUNG

Cena: **9.469,00** din.



General Feature

Application Client PCs

Capacity 500GB (1GB=1 Billion bytes, 1DEMA)*
 Form factor M.2 (2280)
 Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

Interface PCIe Gen 3.0 x 4, NVMe 1.3
 Dimension (WxHxD) 80.15 x 22.15 x 2.38 (mm)
 Weight Max 8.0 g Weight

Storage Memory Samsung V-NAND 3-bit Controller Samsung Phoenix Controller

Cache Memory Samsung 512MB Low Power DDR4 SDRAM

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 IFFI 67 (Encrypted drive) supported

Device Sleep Mode Support Yes

Performance

Sequential Up to Performance based hardware

hardware & configuration

Environment

Average Power Consumption (system level) Average: 5.8 W * Maximum: 9 W (Burst mode) * Actual power consumption may vary depending on system hardware & configuration*

Power consumption (Idle)
Max. 30 mW * Actual power consumption may vary depending on system hardware & configuration

*Access
Insta
Avail*

Allowable Voltage
3.3 V ± 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)

Software

Management SW
Magician Software for SSD management

General Feature

Application Client PCs

Capacity 500GB (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 1.3

Dimension (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 Phoenix Controller

Cache Memory Samsung 512MB Low Power DDR4 SDRAM

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

Performance

Sequential Read

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

Sequential Write

Up to 3,200 MB/s *
Performance may vary
based on system
hardware & configuration

Random Read (4 KB,

*QD32)*Up to 480,000
IOPS * Performance may
vary based on system
hardware & configuration

Random Write (4KB,

*QD32)*Up to 550,000
IOPS * Performance may
vary based on system
hardware & configuration

Random Read (4 KB,

*QD1)*Up to 19,000 IOPS *
Performance may vary
based on system
hardware & configuration

Random Write (4 KB,

*QD1)*Up to 60,000 IOPS *
Performance may vary
based on system
hardware & configuration

Environment

Average Power

*Consumption (system
level)** Average: 5.8 W *
Maximum: 9 W (Burst
mode) * Actual power
consumption may vary
depending on system
hardware & configuration

Power consumption (Idle)

Max. 30 mW * Actual
power consumption may
vary depending on
system hardware &
configuration

Allowable Voltage

3.3 V ± 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)

Accessories

*Installation Kit*Not
Available

Software

Management SW
Magician Software for
SSD management