

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

Šifra: 900
Kategorija proizvoda: SSD diskovi
Proizvođač: Samsung

Cena: **7.985,00** rsd.



General Feature

Application Client PCs

Capacity 500GB (1GB=1 Billion-byte by IECMA)*
Performance by PCIe 3.0 x4 NVMe 1.3 (2280)
Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

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 Controller Samsung Phoenix Controller

Cache Memory Samsung 512MB Low Power DDR4 SDRAM

Special Feature

TRIM Support Supported

S.M.A.R.T Support Supported
Garbage Collection (Auto Garbage Collection Algorithm)
Encryption Support AES 256-bit Encryption (Class 0) TCG/Opal
IEEE1667 (Encrypted drive) Write Support Not supported

Device Sleep Mode Support Yes

Performance

Sequential Read Up to 3500 MB/s
Sequential Write Up to 3300 MB/s
Random Read (1MB) Up to 100,000 IOPS
Random Write (1MB) Up to 90,000 IOPS

hardware & configuration	<i>Environment</i>		<i>Access</i>
	<i>Average Power Consumption (system level)* Average: 5.8 W * Maximum: 9 W (Burst mode) * Actual power consumption may vary depending on system hardware & configuration</i>	<i>Power consumption (Idle) Max. 30 mW * Actual power consumption may vary depending on system hardware & configuration</i>	<i>Installation Available</i>
		<i>Allowable Voltage</i> 3.3 V ± 5 % Allowable voltage	
		<i>Reliability (MTBF)</i> 1.5 Million Hours <i>Reliability (MTBF)</i>	
		<i>Operating Temperature</i> 0 - 70 °C Operating Temperature	
		<i>Shock</i> 1,500 G & 0.5 ms (Half sine)	
	<i>Software</i>		
	<i>Management SW</i> 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 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 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 SupportNot
supported

Device Sleep Mode
SupportYes

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 $\pm$ 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)

Accessories

*Installation Kit*Not
Available

Software

Management SW
Magician Software for
SSD management