

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

Šifra: 71928

Kategorija proizvoda: SSD diskovi

Proizvođač: SAMSUNG

Cena: **7.118,00** rsd.



General Feature

ApplicationClient PCs

Capacity 500GB (1GB=1 Billion byte by 1 DEMAND)*
 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 WxHxD)
 Dimension 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 (Auto Garbage Collection)

Auto Garbage Collection Algorithm

Encryption Support

AES 256-bit Encryption (Class 0) TCG/Opal

IEEE 1667 (Encrypted drive)

WWN Support

Supported

Device Sleep Mode

Support Yes

Performance

Sequential

Up to

Performance

based on

hardware

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

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 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

Shock1,500 G & 0.5 ms
(Half sine)

Accessories

Installation Kit Not Available

Software

Management SW

Magician Software for
SSD management