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

Šifra: 18953

Kategorija prozivoda: SSD M.2

Proizvođač: SAMSUNG

Cena: **9.026,00 din.**



General Feature

ApplicationClient PCs

Capacity500GB (1GB=1 Billion bytes, 1.43DEMA)*
P/E Cycle Factor (W/2 DEMA)*
Actual usable capacity
may be less (due to
formatting, partitioning,
operating system,
applications or
otherwise)

InterfacePCIe Gen 3.0 x
4 NVMe 1.3 WxHxD)
Dimension 8.0.15 x 22.15 x 2.38
(mm)
WeightMax 8.0 g Weight

Storage Memory

Samsung V-NAND 3-bit
ControllerSamsung
MLC
Phoenix Controller

Cache MemorySamsung
512MB Low Power DDR4
SDRAM

Special Feature

TRIM SupportSupported

S.M.A.R.T Support
Supported
Auto Garbage Collection
Algorithm
Encryption Support
AES 256-bit Encryption
(Class 0)TCG/Opal
IEEE1667 (Encrypted
drives)
WWN Support
Supported

Device Sleep Mode
SupportYes

Performance
Sequence
Up to
Performance
based
hardware

hardware & configuration	Environment	Power consumption (Idle) Max. 30 mW * Actual power consumption may vary depending on system hardware & configuration	Access <i>Insta</i> Availa
	Average Power Consumption (system level)* Average: 5.8 W * Maximum: 9 W (Burst mode) * 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)	

General Feature

ApplicationClient PCs
Capacity500GB (1GB=1 Billion byte by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

Form FactorM.2 (2280)

InterfacePCIe Gen 3.0 x 4, NVMe 1.3

Dimension (WxHxD)
80.15 x 22.15 x 2.38 (mm)

WeightMax 8.0 g Weight

Storage Memory
Samsung V-NAND 3-bit MLC

ControllerSamsung Phoenix Controller

Cache MemorySamsung 512MB Low Power DDR4 SDRAM

Special Feature

TRIM SupportSupported

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