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HDD SSD M.2 NVMe Samsung 500GB 970 EVO PLUS

Šifra: 577
Kategorija proizvoda: SSD diskovi
Proizvođač: SAMSUNG



Cena: 7.714,00 rsd.

General Feature		Special Feature		Performance												
Application	Client PCs	Capacity	500GB (1GB=1 Billion-byte by IECMA)* Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)	TRIM Support	Supported	S.M.A.R.T Support	Supported	Auto Garbage Collection	Supported	Encryption Support	AES 256-bit Encryption (Class 0)TCG/Opal	IEEE1667 (Encrypted drive)	Warranty Support	Not supported	Device Sleep Mode Support	Yes
Interface	PCIe Gen 3.0 x 4, NVMe 1.3	Dimensions (WxHxD)	80.15 x 22.15 x 2.38 (mm)	Weight	Max 8.0 g	Storage Memory	Samsung V-NAND 3-bit MLC	Cache Memory	Samsung 512MB Low Power DDR4 SDRAM							

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