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HDD SSD SATA3 Samsung 2TB 870 QVO MZ-77Q2T0BW (2)

Šifra: 93448
Kategorija prozivoda: SSD diskovi
Proizvođač: Samsung

Cena: 27.090 rsd.

ApplicationClient PCs

Form Factor2.5 inch

Dimension (WxHxD)100 X 69.85 X 6.8 (mm)

Storage Memory Samsung V-NAND 4bit MLC

Cache Memory Samsung 2 GB Low Power DDR4 SDRAM

Special Feature

TRIM SupportTRIM Supported

GC (Garbage Collection) Auto Garbage Collection Algorithm

WWN Support World Wide Name supported

Performance

Sequential Read Up to 560 MB/s Sequential Read * Performance may vary based on system hardware & configuration

Random Read (4KB, QD32) Up to 98,000 IOPS Random Read * Performance may vary based on system hardware & configuration ** Measured with Intelligent TurboWrite technology being activated

Random Read (4KB, QD1) Up to 11,000 IOPS Random Read * Performance may vary based on system hardware & configuration ** Measured with Intelligent TurboWrite technology being activated

Environment

Average Power Consumption (system level)
Average: 3.0 W *Maximum: 5.0 W (Burst mode)* Actual power consumption may vary depending on system hardware & configuration

Allowable Voltage5V ± 5% Allowable voltage

Operating Temperature0 - 70 °C Operating Temperature

Accessories

Installation Kit Not Available

Software

Management SW Magician Software for SSD management

Capacity2,000 GB (1 GB=1 Billion byte by IDEMA) * Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

InterfaceSATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & SATA 1.5 Gb/s interface

WeightApporx. 46.0g Weight

ControllerSamsung MKX Controller

S.M.A.R.T SupportS.M.A.R.T Supported

Encryption SupportAES 256-bit Encryption (Class 0),TCG/Opal, IEEE1667 (Encrypted drive)

Device Sleep Mode Support Yes

Sequential Write Up to 530 MB/s Sequential Write * Performance may vary based on system hardware & configuration ** Measured with Intelligent TurboWrite technology being activated

Random Write (4KB, QD32) Up to 88,000 IOPS Random Write * Performance may vary based on system hardware & configuration ** Measured with Intelligent TurboWrite technology being activated

Random Write (4KB, QD1) Up to 35,000 IOPS Random Write * Performance may vary based on system hardware & configuration ** Measured with Intelligent TurboWrite technology being activated

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

Reliability (MTBF)1.5 Million Hours Reliability (MTBF)

Shock1,500 G & 0.5 ms (Half sine)