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870 EVO SATA 2.5" SSD 4TB

MZ-77E4T0 /
MZ-77E4T0B/AM

- Maximize SATA interface limit up to 560/530 MB/s for read and write sequential speeds.
- Up to 2,400 TBW* under a 5 year limited warranty.

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Form Factor



560MB/s Seq. Read

SAMSUNG
V-NAND SSD

V-NAND



530MB/s Seq. Write

2.5 inch

Form Factor



560MB/s Seq. Read

SAMSUNG
V-NAND SSD

V-NAND



530MB/s Seq. Write

HIDE ALL SPECS [^]

General Feature

Product Type ?

870 EVO SATA 2.5" SSD 4TB

Family Line ?

870 EVO SATA 2.5" SSD



Capacity ?

4TB

Compatibility

Windows10/A

bit and 64 bit), Vista (SP1 and above), XP (SP2 and above),
MAC OSX and Linux

Weight

0.19 lbs.

Performance

Speed ?

Read/write speeds of up to 560/530 MB/s

Type

Interface ?

SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & SATA

1.5 Gb/s interface

Storage

Capacity ?

4,000 GB (1 GB=1 Billion byte by IDEMA) * Actual usable capacity

may be less (due to formatting, partitioning, operating system,
applications or otherwise)

Key Features

Sequential Read Speed ?

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

Cache Memory

Samsung 4 GB Low Power DDR4 SDRAM

S.M.A.R.T. Support ?

S.M.A.R.T Supported

WWN Support

World Wide Name supported

General

Average Power Consumption (system level) ?

Average: 2.5 W *Maximum: 5.0 W (Burst mode)* Actual power
consumption may vary depending on system hardware &
configuration

Reliability (MTBF) ?

1.5 Million Hours Reliability (MTBF)

Environmental Specs

Interface ?

SATA 6 Gbps Interface

Dimension (WxHxD)

3.94" X 2.75 " X 0.27"

Encryption ?

Class 0 (AES 256) TCG/Opal v2.0, MS eDrive (IEEE1667)

Usage Application ?

Client PCs

Sequential Write Speed ?

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

Trim Support ?

TRIM Supported

GC (Garbage Collection) ?

Auto Garbage Collection Algorithm

Device Sleep Mode Support ?

Yes

Power consumption (Idle) ?

Max. 35 mW * Actual power consumption may vary depending
on system hardware & configuration

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Shock ?

1,500 G & 0.5

Form Factor

Act fast on Cyber Week deals before they expire! Chat now ^v

Product ?

2.5 inch

Warranty

Product ?

* Limited warranty up to 5 years or up to the TBW for each capacity ***For more information on the warranty, please visit www.samsung.com/support

