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## 870 QVO

MZ-77Q8T0 /  
MZ-77Q8T0B/AM

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

- 2nd generation 4-bit MLC technology that delivers fast read/write speeds of 560/530 MB/s\*
- V-NAND reliability backed by up to 3-year or 2,880 TBW warranty

8TB

\$349.99 ~~\$399.99~~

# 2.5 inch

Form Factor



560MB/s Seq. Read

## SAMSUNG V-NAND SSD

V-NAND



530MB/s Seq. Write

# 2.5 inch

Form Factor



## SAMSUNG V-NAND SSD

V-NAND



560MB/s Seq. Read

530MB/s Seq. Write

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HIDE ALL SPECS <sup>^</sup>

## General Feature

### Product Type <sup>?</sup>

870 QVO SATA III 2.5" SSD 8TB

### Capacity <sup>?</sup>

8TB

### Family Line <sup>?</sup>

870 QVO SATA III 2.5" SSD

### Compatibility <sup>?</sup>

Windows10/Windows 8/Windows 7/Windows Server 2003 (32 bit and 64 bit), Vista (SP1 and above), XP (SP2 and above), MAC OSX and Linux

## Performance

### Speed <sup>?</sup>

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

### Encryption <sup>?</sup>

AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)

## Type

### Product Type <sup>?</sup>

SATA SSD

### Interface <sup>?</sup>

SATA 6 Gb/s Interface

### Usage Application <sup>?</sup>

Client PCs

### Storage

### Capacity <sup>?</sup>

8TB

### Storage Type

Internal

### Read/Write Speeds

up to 560/530 MB/s

## Key Features

### Sequential Read Speed <sup>?</sup>

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

### Sequential Write Speed <sup>?</sup>

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

### Compatibility

Compatible with SATA 3 Gbps & 1.5 Gbps interfaces

### Cache Memory

Samsung 1 GB Low Power DDR4 SDRAM

### Trim Support <sup>?</sup>

TRIM Supported

### Security

AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)

**S.M.A.R.T. Support**

S.M.A.R.T. Support

**WWN Support**

World Wide Name supported

**Internal Storage** ?

Samsung V-NAND 4bit MLC

**General**

**Average Power Consumption (system level)** ?

Average: 2.2 W \*Maximum: 4.0 W (Burst mode)\* Actual power consumption may vary depending on system hardware & configuration

**Reliability (MTBF)** ?

1.5 Million Hours Reliability (MTBF)

**Environmental Specs**

**Shock** ?

1,500 G & 0.5 ms (Half sine)

**Form Factor**

**Product** ?

2.5 inch

**Dimensions (W x H x D)**

**Product** ?

3.94" X 2.76 " X 0.27"

**Weight**

**Product** ?

0.19 lbs.

**Warranty**

**Product** ?

\* Limited warranty up to 3 years or up to the TBW for each capacity \*\*\*For more information on the warranty, please visit [www.samsung.com/support](http://www.samsung.com/support)

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**GC (Garbage Collection)** ?

Auto Garbage Collection Algorithm

**Device Sleep Mode Support** ?

Yes

**2.5 SATA**

Yes

**Power consumption (Idle)** ?

Max. 30 mW \* Actual power consumption may vary depending on system hardware & configuration

HIDE ALL SPECS ^