



Samsung 870 EVO 2.5" 1 TB Serial ATA III V-NAND MLC

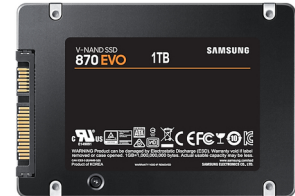
Brand : Samsung

Product code: MZ-77E1T0BW

Product name : 870 EVO

1 TB, SATA III, 2.5", V-NAND 3bit MLC

Samsung 870 EVO. SSD capacity: 1 TB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 530 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC



Features

| | |
|---------------------|----------------|
| Security algorithms | 256-bit AES |
| SSD form factor * | 2.5" |
| SSD capacity * | 1 TB |
| Interface * | Serial ATA III |
| Memory type * | V-NAND MLC |
| Component for * | PC |
| Data transfer rate | 6 Gbit/s |
| Read speed | 560 MB/s |
| Write speed | 530 MB/s |
| Random read (4KB) | 98000 IOPS |
| Random write (4KB) | 88000 IOPS |
| Controller type | Samsung MKX |
| S.M.A.R.T. support | ✓ |
| TRIM support | ✓ |

Features

| | |
|-----------------------------------|-----------|
| Mean time between failures (MTBF) | 1500000 h |
| TBW rating | 2400 |

Power

| | |
|-----------------------------|--------|
| Operating voltage | 5 V |
| Power consumption (max) | 3.5 W |
| Power consumption (average) | 2.2 W |
| Power consumption (idle) | 0.03 W |

Operational conditions

| | |
|-----------------------------|-----------|
| Operating temperature (T-T) | 0 - 70 °C |
| Operating shock | 1500 G |

Weight & dimensions

| | |
|--------|---------|
| Width | 100 mm |
| Depth | 6.8 mm |
| Height | 69.8 mm |
| Weight | 45 g |



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