

Samsung SM863a 2.5" 960 GB Serial ATA III

Brand : Samsung

Product code: MZ7KM960HMJP-00005

Product name : SM863a



960 GB, 2.5" SSD, SATA 6Gb/s, AES 256-bit, V-NAND

Samsung SM863a. SSD capacity: 960 GB, SSD form factor: 2.5", Read speed: 510 MB/s, Write speed: 485 MB/s, Data transfer rate: 6 Gbit/s

| Features | | Power | |
|-----------------------------------|----------------|---------------------------------|-------------|
| Security algorithms | 256-bit AES | Power consumption (idle) | 1.3 W |
| SSD form factor * | 2.5" | Operational conditions | |
| SSD capacity * | 960 GB | Operating temperature (T-T) | 0 - 70 °C |
| Interface * | Serial ATA III | Storage temperature (T-T) | -40 - 85 °C |
| Data transfer rate | 6 Gbit/s | Storage relative humidity (H-H) | 5 - 95% |
| Read speed | 510 MB/s | Operating shock | 1500 G |
| Write speed | 485 MB/s | Weight & dimensions | |
| Random read (4KB) | 95000 IOPS | Width | 100.2 mm |
| Random write (4KB) | 25000 IOPS | Depth | 6.8 mm |
| S.M.A.R.T. support | ✓ | Height | 69.8 mm |
| TRIM support | ✓ | Weight | 64.3 g |
| Mean time between failures (MTBF) | 2000000 h | Packaging data | |
| Power | | Quick start guide | ✓ |
| Operating voltage | 5 V | Logistics data | |
| Power consumption (read) | 2.4 W | Harmonized System (HS) code | 84717070 |
| Power consumption (write) | 2.9 W | Other features | |
| | | Product colour | Black |



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