

## Samsung PM863a 2.5" 960 GB Serial ATA III MLC

**Brand :** Samsung

**Product code:** MZ-7LM960NE

**Product name :** PM863a

Enterprise SSD PM863a SATA 960GB for Business

[Samsung PM863a 2.5" 960 GB Serial ATA III MLC:](#)

Samsung's PM863a SSDs feature our own V-NAND technology and are built from Samsung components. They are designed to deliver exceptional around the clock performance for your Data Center and Server data storage needs, focused on read-intensive applications such as streaming services, content delivery networks, web servers and cloud services.

- Built for read-intensive enterprise applications with Samsung's proprietary 3-bit MLC V-NAND
- Built for sustained performance with strong IOPS consistency
- Tantalum capacitors for power loss protection
- Low latency and high quality of service (QoS)

Samsung PM863a. SSD capacity: 960 GB, SSD form factor: 2.5", Read speed: 520 MB/s, Write speed: 480 MB/s, Data transfer rate: 6 Gbit/s



Features		Power	
Security algorithms	256-bit AES	Power consumption (read)	3 W
SSD form factor *	2.5"	Power consumption (write)	3 W
SSD capacity *	960 GB	Operational conditions	
Interface *	Serial ATA III	Operating temperature (T-T)	0 - 70 °C
Memory type *	MLC	Storage temperature (T-T)	-40 - 85 °C
Data transfer rate	6 Gbit/s	Operating relative humidity (H-H)	5 - 95%
Read speed	520 MB/s	Storage relative humidity (H-H)	5 - 95%
Write speed	480 MB/s	Operating shock	1500 G
Random read (4KB)	97000 IOPS	Weight & dimensions	
Random write (4KB)	24000 IOPS	Height	7 mm
Random read (8KB)	55000 IOPS	Packaging data	
Random write (8KB)	11000 IOPS	Manual	✓
TRIM support	✓	Package type	Box
RAID support	✓	Other features	
Mean time between failures (MTBF)	2000000 h	Product colour	Black
Power		Internal	✓
Operating voltage	5 V		

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