

Samsung PM863a 2.5" 480 GB Serial ATA III

Brand : Samsung

Product code: MZ-7LM480NE

Product name : PM863a

Enterprise SSD PM863a SATA 480GB for Business

[Samsung PM863a 2.5" 480 GB Serial ATA III:](#)

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: 480 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	Operating voltage	5 V
SSD form factor *	2.5"	Power consumption (read)	3 W
SSD capacity *	480 GB	Power consumption (write)	3 W
Interface *	Serial ATA III	Operational conditions	
Data transfer rate	6 Gbit/s	Operating temperature (T-T)	0 - 70 °C
Read speed	520 MB/s	Storage temperature (T-T)	-40 - 85 °C
Write speed	480 MB/s	Operating relative humidity (H-H)	5 - 95%
Random read (4KB)	97000 IOPS	Operating shock	1500 G
Random write (4KB)	16000 IOPS	Weight & dimensions	
Random read (8KB)	55000 IOPS	Height	7 mm
Random write (8KB)	8000 IOPS	Packaging data	
TRIM support	✓	Manual	✓
RAID support	✓	Package type	Box
Mean time between failures (MTBF)	2000000 h	Other features	
		Product colour	Black
		Internal	✓

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.