

## Samsung PM863a 2.5" 480 GB Serial ATA III TLC

**Brand :** Samsung

**Product code:** MZ7LM480MHQ-00005

**Product name :** PM863a

480GB, 2.5", Serial ATA 3 (6GB/s), 520 / 480 MB/s, Mercury Controller, 54.34 g  
 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	Power consumption (read)	3 W
SSD form factor *	2.5"	Power consumption (write)	3 W
SSD capacity *	480 GB	Power consumption (idle)	1.3 W
Interface *	Serial ATA III	Operational conditions	
Memory type *	TLC	Operating temperature (T-T)	0 - 70 °C
Hardware encryption *	✓	Storage temperature (T-T)	-40 - 85 °C
Data transfer rate	6 Gbit/s	Storage relative humidity (H-H)	5 - 95%
Read speed	520 MB/s	Operating shock	1500 G
Write speed	480 MB/s	Weight & dimensions	
Random read (4KB)	97000 IOPS	Width	100 mm
Random write (4KB)	16000 IOPS	Depth	6.8 mm
S.M.A.R.T. support	✓	Height	68.8 mm
TRIM support	✓	Weight	54.34 g
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Logistics data	
Mean time between failures (MTBF)	2000000 h	Harmonized System (HS) code	84717070
Power		Other features	
Operating voltage	5 V	Product colour	Black
		NAND controller	V-NAND



5711783850328

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.