

Samsung PM863a 2.5" 960 GB Serial ATA III TLC

Brand : Samsung

Product code: MZ7LM960HMJP-00005

Product name : PM863a

960GB, 2.5", Serial ATA 3 (6GB/s), 520 / 480 MB/s, Mercury Controller, 54.34 g
 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	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)	24000 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 ¹⁷ 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



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