



**SSD SAMSUNG
PM893 240 GB
Serial ATA III 2.5
Write speed 380
MB/s Read
speed 550 MB/s
MTBF 2000000 h
MZ7L3240HCHQ-
00A07**



Model: MZ7L3240HCHQ-00A07

Manufacturer: SAMSUNG

Product Code: 41176

R6,704

Samsung PM893 240GB (MZ7L3240HCHQ-00A07)

Optimized for data center demands

Coming in a 2.5-inch form factor and 6 Gb/s SATA interface with storage capacities up to 7.68TB, the PM893 meets the demands of server storage systems, with added reliability for critical data thanks to end-to-end data protection. 1

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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Performance fit for mixed workloads

The PM893 is designed to achieve optimal performance with a high level of QoS (quality of service) under the SATA interface. The sequential read/write speeds of up to 550/520 MB/s and random read/write speeds of up to 98K/30K IOPS are ideal for handling massive amounts of data. 2

Secure critical data

Data integrity is critical to data center SSD. The PM893 is safeguarded with end-to-end data protection to ensure consistency over the entire data transfer path and prevents data corruption in case of power failure with power loss protection.

Enhanced operations efficiency

Accomplish far more with less. Achieve higher efficiency and performance compared to legacy storage systems, with fewer servers, reduced power and cooling, and lower TCO 3, all with efficient management from the advanced Samsung SSD Toolkit software.

Samsung reliability and quality

Experience the superior SSD quality and reliability of in-house production using Samsung built components. Empower your 24/7 business to run faster, more efficiently, and at reduced costs with world-class dependability with a limited 5-year warranty or 1.0 DWPD 4,5

- SATA 6.0 Gbps
- 15K IOPS
- 98K IOPS
- Mass Production

Summary: Samsung PM893. SSD capacity: 240 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 380 MB/s, Data transfer rate: 6 Gbit/s, Component for: Server/workstation | Vendor Homepage: <https://semiconductor.samsung.com/ssd/datacenter-ssd/pm893/> | Component for: Server/workstation | Controller type: Samsung Metis | Data transfer rate: 6 | End-to-End Data Protection: Yes | Hardware encryption: Yes | Interface: Serial ATA III | Mean time between failures (MTBF): 2000000 | Memory type: V-NAND TLC | NVMe: No | Random read (4KB): 98000 | Random write (4KB): 15000 | Read speed: 550 | S.M.A.R.T. support: Yes | Security algorithms: 256-bit AES | SSD capacity: 240 | SSD form factor: 2.5" | TRIM support: Yes | Write speed: 380 | Operating voltage: 5 | Power consumption (max): 1.5 | Power consumption (read): 2.1 | Power consumption (write): 3.2 |

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Depth: 6.8 | Height: 69.85 | Weight: 70 | Width: 100 | Operating temperature (T-T): 0 - 70 | SSD series: PM893 | Units per Shipping Box: 74 | Unit Calculated Volume: 0.0009029 | Unit Calculated Weight: 0.122

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