

Samsung PM893



Artikel	122039
Herstellernummer	MZ7L37T6HBLA-00A07
EAN	8592978403942
Samsung	

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

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

Zusammenfassung

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Samsung PM893, 7.68 TB, 2.5", 550 MB/s, 6 Gbit/s

Samsung PM893. SSD capacity: 7.68 TB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC

Merkmale

Operational conditions

Operating temperature (T-T) 0 - 70 °C

Power

Operating voltage	5 V
Power consumption (read)	2.1 W
Power consumption (write)	3.2 W
Power consumption (max)	1.5 W

Weight & dimensions

Width	100 mm
Depth	6.8 mm
Height	69.8 mm
Weight	70 g

Features

Security algorithms	256-bit AES
SSD form factor	2.5"
SSD capacity	7.68 TB
Interface	Serial ATA III
Memory type	V-NAND TLC
NVMe	No
Component for	PC
Hardware encryption	Yes
Data transfer rate	6 Gbit/s
Read speed	550 MB/s
Write speed	520 MB/s
Random read (4KB)	98000 IOPS
Random write (4KB)	30000 IOPS
Controller type	Samsung Metis
S.M.A.R.T. support	Yes
TRIM support	Yes
End-to-End Data Protection	Yes
Mean time between failures (MTBF)	2000000 h

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.