

Informacije o proizvodu (EN)

SAMSUNG SSD 240GB PM893

SAMSUNG



Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

<https://tehnoteka.rs/p/samsung-ssd-240gb-pm893-akcija-cena/>

Samsung V-NAND SSD PM893

2022 Data Sheet

Revision 1.0



LEGAL DISCLAIMER

SAMSUNG ELECTRONICS CO., LTD. RESERVES THE RIGHT TO CHANGE PRODUCTS, INFORMATION AND SPECIFICATIONS WITHOUT NOTICE.

Products and specifications discussed herein are provided for reference purposes only. All information discussed herein may change without notice and is provided on an "AS IS" basis, without warranties of any kind. This document and all information discussed herein remain the sole and exclusive property of Samsung Electronics Co., Ltd. No license of any patent, copyright, mask work, trademark or any other intellectual property right is granted under this document, by implication, estoppels or otherwise. Samsung products are not intended for use in life support, critical care, medical, safety equipment, or similar applications where product failure could result in loss of life or personal or physical harm, or any military or defense application, or any governmental procurement to which special terms or provisions may apply. For updates or additional information about Samsung products, contact your nearest Samsung representative. All brand names, trademarks and registered trademarks belong to their respective owners.

COPYRIGHT © 2022

This material is copyrighted by Samsung Electronics Co., Ltd. Any unauthorized reproductions, use or disclosure of this material, or any part thereof, is strictly prohibited and is a violation under copyright law.

TRADEMARKS & SERVICE MARKS

The Samsung logo is the trademark of Samsung Electronics Co., Ltd. All other company and product names may be trademarks of the respective companies with which they are associated.

For more information, please visit www.samsung.com/ssd and www.samsungssd.com.

To download the latest software & manuals, please visit www.semiconductor.samsung.com/consumer-storage

TECHINCAL SPECIFICATIONS

Samsung SSD PM893

Samsung SSD PM893								
Usage Application	Data Center, Server							
Interface	SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & 1.5 interfaces							
Hardware Information	Capacity ¹⁾	240GB	480GB	960GB	1.92TB	3.84TB	7.68TB	
	Controller	Samsung in-house Controller						
	NAND Flash Memory	Samsung V-NAND TLC						
	Dimensions	100.20x 69.85x 7.0(mm)						
	Form Factor	2.5 inch						
Performance (Up to.) ²⁾	Sequential Read	550 MB/s						
	Sequential Write ³⁾	380 MB/s	520 MB/s	520 MB/s	520 MB/s	520 MB/s	520 MB/s	
	4KB Ran. Read (QD32)	98 KIOPS						
	4KB Ran. Write (QD32)	15K IOPS	29K IOPS	30K IOPS	30K IOPS	30K IOPS	30K IOPS	
Power Consumption ³⁾	Idle	DIPM off	1.5 W	1.5 W	1.5 W	1.5 W	1.5 W	1.5 W
	Active (Avg.)	Read/Write	2.1/2.7W	2.1/3.2W	2.2/3.2W	2.2/3.2W	2.2/3.2W	2.2/3.2W
Reliability ⁴⁾	Temp.	Operating	0°C to 70°C					
		Non-Operating	-40°C to 85°C					
	Humidity		5% to 95% non-condensing					
	Shock	Non-Operating	1,500G, duration: 0.5ms, 3 axis					
	Vibration	Non-Operating	20~2,000Hz, 20G					
	MTBF		2.0 million hours					
Warranty	TBW ⁵⁾	438TB	876TB	1,752TB	3,504TB	7,008TB	14,016TB	
	Period	5 year limited						
Supporting Features	TRIM (Required OS support), Garbage Collection, S.M.A.R.T							
Data Security	AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive(IEEE1667)							

- 1) GB: 1GB = 1,000,000,000 bytes. A certain portion of capacity may be used for system file and maintenance use, thus the actual available capacity may differ from the labeled total capacity.
- 2) Performance measurements are based on FIO 2.7 with queue depth 32, Z170 Intel SATA 6G port. Measurements are performed on whole LBA range. Write cache enabled. Actual performance may vary depending on use conditions and environment.
- 3) Active Read power is measured on 4 KB random read. Active Write power is measured on 4 KB random write.
- 4) All documented endurance test results are obtained in compliance with JESD218 Standards. Please visit www.jedec.org for detailed information on JESD218 Standards
- 5) TBW means Total Bytes Written.
- 6) Please refer to the detailed warranty statement here at <http://samsung.com/samsungssd>.
- 7) Warranty provides coverage for the stated time period or the TBW, whichever comes first.

PRODUCT LINEUP

Density	Model Name	Part Number
240GB*	MZ-7L324000	MZ7L3240HCHQ-00W07
480GB*	MZ-7L348000	MZ7L3480HCHQ-00W07
960GB*	MZ-7L396000	MZ7L3960HCJR-00W07
1.92TB (1,920GB*)	MZ-7L31T900	MZ7L31T9HBLT-00W07
3.84TB (3,840GB*)	MZ-7L33T800	MZ7L33T8HBLT-00W07
7.68TB (7,680GB*)	MZ-7L37T600	MZ7L37T6HBLA-00W07

* GB: 1GB = 1,000,000,000 bytes by IDEMA. The actual usable capacity may be less than the labeled capacity. For more information, including but not limited to the warranty provided for this product, please visit www.samsung.com/ssd and www.samsungssd.com.

Revision History

Revision Number	Description	Revision Date
1.0	Initial Release	August 2022

Ovaj dokument je originalno proizveden i objavljen od strane proizvođača, brenda Samsung, i preuzet je sa njihove zvanične stranice. S obzirom na ovu činjenicu, Tehnoteka ističe da ne preuzima odgovornost za tačnost, celovitost ili pouzdanost informacija, podataka, mišljenja, saveta ili izjava sadržanih u ovom dokumentu.

Napominjemo da Tehnoteka nema ovlašćenje da izvrši bilo kakve izmene ili dopune na ovom dokumentu, stoga nismo odgovorni za eventualne greške, propuste ili netačnosti koje se mogu naći unutar njega. Tehnoteka ne odgovara za štetu nanесenu korisnicima pri upotrebi netačnih podataka. Ukoliko imate dodatna pitanja o proizvodu, ljubazno vas molimo da kontaktirate direktno proizvođača kako biste dobili sve detaljne informacije.

Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

<https://tehnoteka.rs/p/samsung-ssd-240gb-pm893-akcija-cena/>