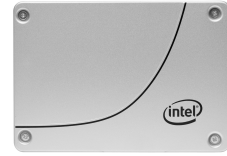


D3 SSDSC2KG076T801 internal solid state drive 2.5" 7.68 TB Serial ATA III TLC 3D NAND



Brand : Intel

Product family: D3

Product code:
SSDSC2KG076T801

Product name :
SSDSC2KG076T801

7680 GB, 2.5", Serial ATA III, 3D TLC NAND

[D3 SSDSC2KG076T801 internal solid state drive 2.5" 7.68 TB Serial ATA III TLC 3D NAND:](#)

Enhanced Power Loss Data Protection

Enhanced Power Loss Data Protection prepares the SSD for unexpected system power loss by minimizing data in transition in temporary buffers, and uses on-board power-loss protection capacitance to provide enough energy for the SSD firmware to move data from the transfer buffer and other temporary buffers to the NAND, thus protecting system and user data.

Hardware Encryption

Hardware encryption is data encryption done at the drive level. This is used to ensure that the data stored on the drive is secured from unwanted intrusion.

End-to-End Data Protection

End-to-End Data Protection ensures integrity of stored data from the computer to the SSD and back. D3 SSDSC2KG076T801. SSD capacity: 7.68 TB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 510 MB/s, Component for: Server/workstation

Features		Power	
Security algorithms	256-bit AES	Power consumption (idle)	1.6 W
SSD form factor *	2.5"	Brand-specific features	
SSD capacity *	7.68 TB	Intel High Endurance Technology (HET)	✗
Interface *	Serial ATA III	Intel® Rapid Start Technology	✗
Memory type *	TLC 3D NAND	Intel® Remote Secure Erase	✗
NVMe *	✗	Intel® Smart Response Technology	✗
Component for *	Server/workstation	Operational conditions	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Read speed	550 MB/s	Maximum operating temperature	70 °C
Write speed	510 MB/s	Operating vibration	2.17 G
Random read (100% span)	90000 IOPS	Non-operating vibration	3.13 G
Random write (100% span)	35000 IOPS	Operating shock	1000 G
Read latency	36 µs	Non-operating shock	1000 G
Write latency	39 µs	Operating / non-operating shock	1000 G/0.5 msec
End-to-End Data Protection	✓	Logistics data	
Enhanced Power Loss Data Protection technology	✓	Harmonized System (HS) code	84717070
SSD temperature monitoring	✓	Other features	
Temperature monitoring and logging	✓	Endurance rating	44 PB
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Power consumption (active)	4.6 W
Mean time between failures (MTBF)	2000000 h	Launch date	Q4'19
SSD ARK ID	134918	SSD endurance rating	23.9 PBW
Export Control Classification Number (ECCN)	5A992C	SSD power consumption (idle)	1.6W
Commodity Classification Automated Tracking System (CCATS)	G162706	SSD shock	1000 G/0.5 msec
Power		Sequential reading	550 MB/s
Power consumption (read)	4.6 W	Sequential writing speed	510 MB/s
Power consumption (write)	4.6 W	Status	Launched
		Processor family	Intel SSD D3

Other features

Product codename

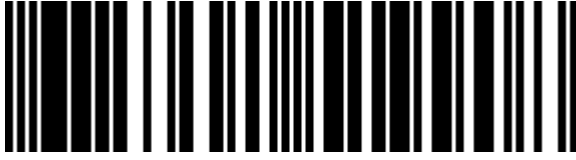
Youngsville Refresh



0735858376709



735858376709



0675901519908



675901519908

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.