

Intel SSDSC2KW010X6X1 internal solid state drive 2.5" 1 TB Serial ATA III TLC

Brand : Intel

Product code: SSDSC2KW010X6X1

Product name : SSDSC2KW010X6X1



SSD 540s Series (1.0TB, 2.5in SATA 6Gb/s, 16nm, TLC)

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Expect More. Do More.

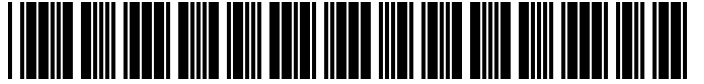
Accelerate your productivity with fast performance. Trust your storage with extreme reliability. Charge your device less often with power-efficient performance. Intel® SSDs deliver more through a combination of performance, Intel quality and reliability, and power efficiency to optimize your experience across a variety of computing devices. Do away with the lag time and moving parts of a traditional hard drive and switch to an Intel® SSD.

Intel SSDSC2KW010X6X1. SSD capacity: 1 TB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 480 MB/s

Features		Operational conditions	
Security algorithms	256-bit AES	Operating temperature (T-T)	0 - 70 °C
SSD form factor *	2.5"	Storage temperature (T-T)	-55 - 95 °C
SSD capacity *	1 TB	Maximum operating temperature	70 °C
Interface *	Serial ATA III	Operating relative humidity (H-H)	5 - 95%
Memory type *	TLC	Storage relative humidity (H-H)	5 - 95%
Read speed	560 MB/s	Operating vibration	2.17 G
Write speed	480 MB/s	Non-operating vibration	3.13 G
Read latency	50 µs	Operating shock	1500 G
Write latency	50 µs	Non-operating shock	1500 G
Lithography	16 nm	Operating / non-operating shock	1500 G/0.5 ms
End-to-End Data Protection	✗	Weight & dimensions	
Enhanced Power Loss Data Protection technology	✗	Width	69.8 mm
SSD temperature monitoring	✗	Depth	100.5 mm
Temperature monitoring and logging	✗	Height	7 mm
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	Logistics data	
Mean time between failures (MTBF)	1600000 h	Harmonized System (HS) code	8523510000
SSD usage tag	Consumer	Other features	
SSD ARK ID	94204	Product colour	Silver
Power		Internal	✓
Operating voltage	5 V	Launch date	Q1'16
Brand-specific features		Random write (8GB span)	85000 IOPS
Intel High Endurance Technology (HET)	✗	SSD power consumption (idle)	50 mW Typical
Intel® Rapid Start Technology	✓	Sequential reading	560 MB/s
Intel® Smart Response Technology	✓	Sequential writing speed	480 MB/s
		Status	Launched
		Random read (8GB span)	78000 IOPS
		Product family	Consumer SSD
		Product series	Intel® SSD 540s Series
		Product codename	Loyd Star



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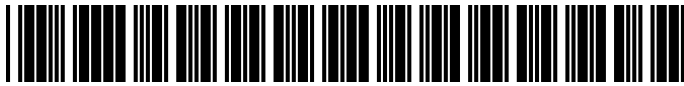
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