

## Intel SSDSC2KW256G8X1 internal solid state drive 2.5" 256 GB Serial ATA III 3D TLC



**Brand :** Intel

**Product code:** SSDSC2KW256G8X1

**Product name :** SSDSC2KW256G8X1

SSD 545s Series (256GB, 2.5in SATA 6Gb/s, 3D2, TLC)

Intel SSDSC2KW256G8X1. SSD capacity: 256 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 500 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC/Laptop

Features		Brand-specific features	
NAND flash type	TLC (Triple Level Cell)	Intel Smart Response Technology version	1.00
Security algorithms	256-bit AES	<b>Operational conditions</b>	
SSD form factor *	2.5"	Operating temperature (T-T)	0 - 70 °C
SSD capacity *	256 GB	Maximum operating temperature	70 °C
Interface *	Serial ATA III	Operating vibration	2.17 G
Memory type *	3D TLC	Non-operating vibration	3.13 G
Component for *	PC/Laptop	Operating / non-operating shock	1500 G(Max) at 0.5 msec
Hardware encryption *	✓	<b>Weight &amp; dimensions</b>	
Data transfer rate	6 Gbit/s	Height	7 mm
Read speed	550 MB/s	<b>Logistics data</b>	
Write speed	500 MB/s	Harmonized System (HS) code	84717070
Read latency	50 µs	<b>Other features</b>	
Write latency	50 µs	Product colour	Silver
End-to-End Data Protection	✓	Drive capacity	256 GB
Enhanced Power Loss Data Protection technology	✗	Launch date	Q3'17
SSD temperature monitoring	✗	Product brief URL	<a href="https://www.intel.com/content/www/us/en/support/articles/000005884/memory-and-storage.html">https://www.intel.com/content/www/us/en/support/articles/000005884/memory-and-storage.html</a>
Temperature monitoring and logging	✗	Random write (8GB span)	85000 IOPS
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>15</sup> bits read	SSD endurance rating	144 TBW
Mean time between failures (MTBF)	1600000 h	SSD hardware encryption	AES 256 bit
Market segment	Mobile	SSD power consumption (active)	4.5W
SSD usage tag	Consumer	SSD power consumption (idle)	50mW
SSD ARK ID	125020	SSD shock	1500 G(Max) at 0.5 msec
<b>Power</b>		Sequential reading	550 MB/s
Power consumption (average)	4.5 W	Sequential writing speed	500 MB/s
Power consumption (idle)	0.05 W	Status	Launched
<b>Brand-specific features</b>		Random read (8GB span)	75000 IOPS
Intel High Endurance Technology (HET)	✗	Last change	63903513
Intel® Rapid Start Technology	✓	Intel Rapid Start Technology version	1.00
Intel® Remote Secure Erase	✗	Remote Secure Erase (RSE) technology version	0.00
Intel® Smart Response Technology	✓	Product family	Consumer SSD
		Product series	Intel® SSD 545s Series
		Product codename	Liberty Harbor



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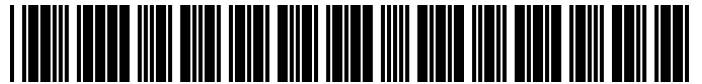
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