

## Intel SSDSC2KF512G8X1 internal solid state drive 2.5" 512 GB Serial ATA III 3D TLC



**Brand :** Intel

**Product code:** SSDSC2KF512G8X1

**Product name :** SSDSC2KF512G8X1

SSD Pro 5450s Series (512GB, 2.5in SATA 6Gb/s, 3D2, TLC)

Intel SSDSC2KF512G8X1. SSD capacity: 512 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		Operational conditions	
NAND flash type	TLC (Triple Level Cell)	Operating temperature (T-T)	0 - 70 °C
Security algorithms	256-bit AES	Maximum operating temperature	70 °C
SSD form factor *	2.5"	Operating vibration	2.17 G
SSD capacity *	512 GB	Non-operating vibration	3.13 G
Interface *	Serial ATA III	Operating / non-operating shock	1500 G(Max) at 0.5 msec
Memory type *	3D TLC	<b>Weight &amp; dimensions</b>	
Component for *	PC/Laptop	Height	7 mm
Hardware encryption *	✓	<b>Logistics data</b>	
Data transfer rate	6 Gbit/s	Harmonized System (HS) code	8523510000
Read speed	550 MB/s	<b>Other features</b>	
Write speed	500 MB/s	Product colour	Silver
Read latency	50 µs	Drive capacity	512 GB
Write latency	60 µs	Launch date	Q3'17
End-to-End Data Protection	✓	Product brief URL	<a href="http://www.intel.com/content/www/us/en/support/solid-state-drives/000005884.html">http://www.intel.com/content/www/us/en/support/solid-state-drives/000005884.html</a>
Enhanced Power Loss Data Protection technology	✗	Random write (8GB span)	85000 IOPS
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>15</sup> bits read	SSD endurance rating	288 TBW
Mean time between failures (MTBF)	1600000 h	SSD hardware encryption	AES 256 bit
TBW rating	144	SSD power consumption (active)	4.5W
Market segment	Mobile	SSD power consumption (idle)	50mW
SSD usage tag	Professional	SSD shock	1500 G(Max) at 0.5 msec
SSD ARK ID	126370	Sequential reading	550 MB/s
<b>Power</b>		Sequential writing speed	500 MB/s
Power consumption (average)	4.5 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	1.00
Intel® Smart Response Technology	✓	Product family	Professional SSD
Intel Smart Response Technology version	1.00	Product series	Intel® SSD Pro 5450s Series
		Product codename	Liberty Harbor



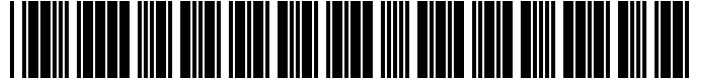
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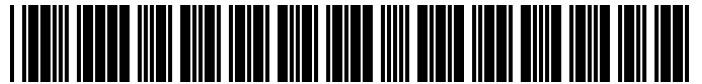
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