

Intel DC S3520 960 GB Serial ATA III MLC

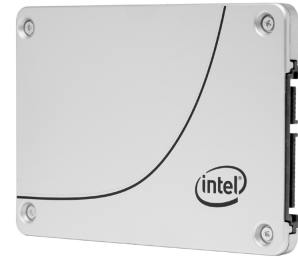
Brand : Intel

Product code: SSDSC2BB960G701

Product name : DC S3520

SSD DC S3520 Series (960GB, 2.5in SATA 6Gb/s, 3D1, MLC)

[Intel DC S3520 960 GB Serial ATA III MLC:](#)



The most trusted SATA SSD now on Intel 3D NAND

Modernize your data center storage and make the switch from HDDs to the Intel® SSD DC S3520 Series. As part of the Intel® 3D NAND SSD family of products, the Intel SSD DC S3520 Series delivers the unmatched combination of data integrity, performance consistency, and drive reliability. With a much lower active write power than the Intel® SSD DC S3510 Series, the Intel SSD DC S3520 Series enables the delivery of 35% more rack performance per watt. With a competitive IOPs/\$, the Intel SSD DC S3520 Series is the ideal replacement for HDDs.

Intel DC S3520. SSD capacity: 960 GB, Read speed: 450 MB/s, Write speed: 380 MB/s, Data transfer rate: 6 Gbit/s

Features		Brand-specific features	
Security algorithms	256-bit AES	Intel® Smart Response Technology	✗
SSD capacity *	960 GB	Intel Smart Response Technology version	0.00
Interface *	Serial ATA III	Operational conditions	
Memory type *	MLC	Operating temperature (T-T)	0 - 70 °C
Hardware encryption *	✓	Operating vibration	2.17 G
Data transfer rate	6 Gbit/s	Non-operating vibration	3.13 G
Read speed	450 MB/s	Operating shock	1000 G
Write speed	380 MB/s	Weight & dimensions	
Random read (100% span)	67000 IOPS	Height	7 mm
Random write (100% span)	16000 IOPS	Weight	66 g
Read latency	40 µs	Logistics data	
Write latency	42 µs	Harmonized System (HS) code	84717070
Lithography	16 nm	Other features	
End-to-End Data Protection	✓	Drive capacity	960 GB
Enhanced Power Loss Data Protection technology	✓	Launch date	Q3'16
SSD temperature monitoring	✓	SSD endurance rating	1750 TBW
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD hardware encryption	AES 256 bit
Mean time between failures (MTBF)	2000000 h	SSD power consumption (active)	3.5 W
TBW rating	1750	SSD power consumption (idle)	600 mW
Market segment	Server	SSD shock	1000G/0.5ms
SSD usage tag	Data center	SSD weight	66 g
SSD ARK ID	93017	Sequential reading	450 MB/s
Power		Sequential writing speed	380 MB/s
Power consumption (average)	3.5 W	Status	Discontinued
Power consumption (idle)	0.6 W	Last change	63903513
Brand-specific features		Intel Rapid Start Technology version	0.00
Intel High Endurance Technology (HET)	✗	Product family	Data center SSD
Intel® Rapid Start Technology	✗	Product series	Intel® SSD DC S3520 Series
		Product codename	Downieville



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