

## Intel DC S3520 2.5" 1.6 TB Serial ATA III MLC

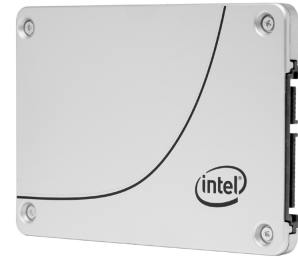
**Brand :** Intel

**Product code:** SSDSC2BB016T701

**Product name :** DC S3520

SSD DC S3520 Series (1.6TB, 2.5in SATA 6Gb/s, 3D1, MLC)

[Intel DC S3520 2.5" 1.6 TB 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: 1.6 TB, SSD form factor: 2.5", 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 form factor *	2.5"	Intel Smart Response Technology version	0.00
SSD capacity *	1.6 TB	<b>Operational conditions</b>	
Interface *	Serial ATA III	Operating temperature (T-T)	0 - 70 °C
Memory type *	MLC	Operating vibration	2.17 G
Hardware encryption *	✓	Non-operating vibration	3.13 G
Data transfer rate	6 Gbit/s	Operating shock	1000 G
Read speed	450 MB/s	<b>Weight &amp; dimensions</b>	
Write speed	380 MB/s	Height	7 mm
Random read (100% span)	67500 IOPS	Weight	66 g
Random write (100% span)	17000 IOPS	<b>Logistics data</b>	
Read latency	40 µs	Harmonized System (HS) code	84717070
Write latency	42 µs	<b>Other features</b>	
Lithography	16 nm	Product colour	Silver
End-to-End Data Protection	✓	Internal	✓
Enhanced Power Loss Data Protection technology	✓	Drive capacity	1.6 TB
SSD temperature monitoring	✓	Launch date	Q3'16
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	SSD endurance rating	2925 TBW
Mean time between failures (MTBF)	2000000 h	SSD hardware encryption	AES 256 bit
TBW rating	2925	SSD power consumption (active)	3.5 W
Market segment	Server	SSD power consumption (idle)	600 mW
SSD usage tag	Data center	SSD shock	1000G/0.5ms
SSD ARK ID	93005	SSD weight	66 g
<b>Power</b>		Sequential reading	450 MB/s
Power consumption (average)	3.5 W	Sequential writing speed	380 MB/s
Power consumption (idle)	0.6 W	Status	Discontinued
<b>Brand-specific features</b>		Last change	63903513
Intel High Endurance Technology (HET)	✗	Intel Rapid Start Technology version	0.00
Intel® Rapid Start Technology	✗	Product family	Data center SSD
		Product series	Intel® SSD DC S3520 Series
		Product codename	Downieville



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