

## Intel DC S3520 2.5" 1.2 TB Serial ATA III MLC

**Brand :** Intel

**Product code:** SSDSC2BB012T7

**Product name :** DC S3520



SSD DC S3520 Series (1.2TB, 2.5in SATA 6Gb/s, 3D1, MLC)

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### 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: 1.2 TB, SSD form factor: 2.5", Read speed: 450 MB/s, Write speed: 380 MB/s, Data transfer rate: 6 Gbit/s

Features		Power	
SSD form factor *	2.5"	Power consumption (write)	3.5 W
SSD capacity *	1.2 TB	Power consumption (idle)	0.6 W
Interface *	Serial ATA III	<b>Brand-specific features</b>	
Memory type *	MLC	Intel High Endurance Technology (HET)	✗
Hardware encryption *	✓	Intel® Rapid Start Technology	✗
Data transfer rate	6 Gbit/s	Intel® Smart Response Technology	✗
Read speed	450 MB/s	<b>Operational conditions</b>	
Write speed	380 MB/s	Operating temperature (T-T)	0 - 70 °C
Random read (100% span)	67500 IOPS	Operating vibration	2.17 G
Random write (100% span)	17500 IOPS	Non-operating vibration	3.13 G
Read latency	40 µs	Operating shock	1000 G
Write latency	42 µs	Non-operating shock	1000 G
Lithography	16 nm	<b>Weight &amp; dimensions</b>	
End-to-End Data Protection	✓	Weight	66 g
Enhanced Power Loss Data Protection technology	✓	<b>Other features</b>	
SSD temperature monitoring	✓	Internal	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Status	Launched
Mean time between failures (MTBF)	2000000 h	Product family	Data center SSD
TBW rating	2455	Product series	Intel® SSD DC S3520 Series
SSD usage tag	Data center	Product codename	Downieville
SSD ARK ID	93006		

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