

Intel DC S3520 M.2 150 GB Serial ATA III 3D MLC

Brand : Intel

Product code: SSDSCKJB150G7

Product name : DC S3520



SSD DC S3520 Series (150GB, M.2 80mm 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: 150 GB, SSD form factor: M.2, Read speed: 170 MB/s, Write speed: 140 MB/s, Data transfer rate: 6 Gbit/s, Component for: Server/workstation

Features		Brand-specific features	
NAND flash type	MLC (Multi Level Cell)	Intel® Smart Response Technology	✗
Security algorithms	256-bit AES	Intel Smart Response Technology version	0.00
SSD form factor *	M.2	Operational conditions	
SSD capacity *	150 GB	Operating temperature (T-T)	0 - 70 °C
Interface *	Serial ATA III	Operating vibration	2.17 G
Memory type *	3D MLC	Non-operating vibration	3.13 G
Component for *	Server/workstation	Operating shock	1000 G
Hardware encryption *	✓	Non-operating shock	1000 G
Data transfer rate	6 Gbit/s	Weight & dimensions	
Read speed	170 MB/s	Width	22 mm
Write speed	140 MB/s	Depth	80 mm
Random read (100% span)	40000 IOPS	Weight	9 g
Random write (100% span)	27500 IOPS	Other features	
Read latency	44 µs	Product colour	Black, Green
Write latency	56 µs	Drive capacity	150 GB
Lithography	16 nm	Launch date	Q1'17
End-to-End Data Protection	✓	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3520-brief.html
Enhanced Power Loss Data Protection technology	✓	Random write (8GB span)	27500 IOPS
SSD temperature monitoring	✓	SSD endurance rating	412 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)	2 W
Market segment	Server	SSD power consumption (idle)	600 mW
SSD ARK ID	93002	SSD shock	1000G/0.5ms
Power		SSD weight	9 g
Power consumption (average)	2 W	Sequential reading	170 MB/s
Power consumption (idle)	0.6 W	Sequential writing speed	140 MB/s
Brand-specific features		Status	Discontinued
Intel High Endurance Technology (HET)	✗	Random read (8GB span)	40000 IOPS
Intel® Rapid Start Technology	✗	Last change	63903513
		Intel Rapid Start Technology version	0.00
		Product family	Data center SSD
		Product series	Intel® SSD DC S3520 Series
		Product codename	Downieville



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