Intel DC S3520 2.5" 240 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BB240G701

Product name : DC S3520

SSD DC S3520 Series (240GB, 2.5in SATA 6Gb/s, 3D1, MLC)

Intel DC S3520 2.5" 240 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: 240 GB, SSD form factor: 2.5", Read speed: 320 MB/s, Write speed: 300 MB/s, Data transfer rate: 6 Gbit/s

Features	
Security algorithms	256-bit AES
SSD form factor *	2.5"
SSD capacity *	240 GB
Interface *	Serial ATA III
Memory type *	MLC
Hardware encryption *	✓
Data transfer rate	6 Gbit/s
Read speed	320 MB/s
Write speed	300 MB/s
Random read (100% span)	65500 IOPS
Random write (100% span)	16000 IOPS
Read latency	42 µs
Write latency	40 µs
Lithography	16 nm
End-to-End Data Protection	✓
Enhanced Power Loss Data Protection technology	✓
SSD temperature monitoring	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10^17 bits read
Mean time between failures (MTBF)	2000000 h
TBW rating	599
Market segment	Server
SSD usage tag	Data center
SSD ARK ID	93012

Power	
Power consumption (average)	2.8 W
Power consumption (idle)	0.5 W

Brand-specific features	
Intel High Endurance Technology (HET)	✗
Intel® Rapid Start Technology	✗

Brand-specific features	
Intel® Smart Response Technology	✗
Intel Smart Response Technology version	0.00

Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1000 G

Weight & dimensions	
Height	7 mm
Weight	62 g

Logistics data	
Harmonized System (HS) code	84717070

Other features	
Product colour	Silver
Internal	✓
Drive capacity	240 GB
Launch date	Q3'16
SSD endurance rating	599 TBW
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	2.8 W
SSD power consumption (idle)	500 mW
SSD shock	1000G/0.5ms
SSD weight	62 g
Sequential reading	320 MB/s
Sequential writing speed	300 MB/s
Status	Discontinued
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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