

Intel DC S3510 2.5" 240 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BB240G601

Product name : DC S3510



SSD DC S3510 Series (240GB, 2.5in SATA 6Gb/s, 16nm, MLC)

Intel DC S3510. SSD capacity: 240 GB, SSD form factor: 2.5", Read speed: 500 MB/s, Write speed: 260 MB/s, Data transfer rate: 6 Gbit/s

Features		Brand-specific features	
Security algorithms	256-bit AES	Intel® Rapid Start Technology	✘
SSD form factor *	2.5"	Intel® Smart Response Technology	✘
SSD capacity *	240 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	1000 G
Data transfer rate	6 Gbit/s	Non-operating vibration	1000 G
Read speed	500 MB/s	Operating shock	1000 G
Write speed	260 MB/s	Non-operating shock	1000 G
Random read (4KB)	68000 IOPS	Logistics data	
Random write (4KB)	10200 IOPS	Harmonized System (HS) code	84717070
Random read (100% span)	68000 IOPS	Other features	
Random write (100% span)	10200 IOPS	Internal	✓
Read latency	55 µs	Processor lithography	16 nm
Write latency	66 µs	Drive capacity	240 GB
Lithography	16 nm	Launch date	Q2'15
End-to-End Data Protection	✓	SSD endurance rating	140 TBW
Enhanced Power Loss Data Protection technology	✓	SSD hardware encryption	AES 256 bit
SSD temperature monitoring	✓	SSD power consumption (active)	3.06 W
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD power consumption (idle)	600 mW
Mean time between failures (MTBF)	2000000 h	SSD shock	1000G/0.5 msec
Market segment	Server	SSD weight	88 g
SSD usage tag	Data center	Sequential reading	500 MB/s
SSD ARK ID	86195	Sequential writing speed	260 MB/s
Power		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
		Product series	Intel DC S3510
		Product codename	Haleyville



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