

Intel DC S3510 2.5" 480 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BB480G601

Product name : DC S3510



SSD DC S3510 Series (480GB, 2.5in SATA 6Gb/s, 16nm, MLC)

Intel DC S3510. SSD capacity: 480 GB, SSD form factor: 2.5", Read speed: 500 MB/s, Write speed: 440 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 *	480 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	440 MB/s	Non-operating shock	1000 G
Random read (4KB)	68000 IOPS	Other features	
Random write (4KB)	15100 IOPS	Internal	✓
Random read (100% span)	68000 IOPS	Processor lithography	16 nm
Random write (100% span)	15100 IOPS	Drive capacity	480 GB
Read latency	55 µs	Launch date	Q2'15
Write latency	66 µs	SSD endurance rating	275 TBW
Lithography	16 nm	SSD hardware encryption	AES 256 bit
End-to-End Data Protection	✓	SSD power consumption (active)	4.45 W
Enhanced Power Loss Data Protection technology	✓	SSD power consumption (idle)	600 mW
SSD temperature monitoring	✓	SSD shock	1000G/0.5 msec
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD weight	88 g
Mean time between failures (MTBF)	2000000 h	Sequential reading	500 MB/s
Market segment	Server	Sequential writing speed	440 MB/s
SSD usage tag	Data center	Status	Discontinued
SSD ARK ID	86197	Last change	63903513
Power		Intel Rapid Start Technology version	0.00
Power consumption (idle)	0.6 W	Product family	Data center SSD
Brand-specific features		Product series	Intel DC S3510
Intel High Endurance Technology (HET)	✗	Product codename	Haleyville



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