

Intel SSDSC2BA100G301 internal solid state drive 2.5" 100 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BA100G301

Product name : SSDSC2BA100G301

SSD DC S3700 Series (100GB, 2.5in SATA 6Gb/s, 25nm, MLC)

Intel SSDSC2BA100G301. SSD capacity: 100 GB, SSD form factor: 2.5", Read speed: 500 MB/s, Write speed: 200 MB/s, Data transfer rate: 6 Gbit/s



Features		Operational conditions	
Security algorithms	256-bit AES	Operating temperature (T-T)	0 - 70 °C
SSD form factor *	2.5"	Maximum operating temperature	70 °C
SSD capacity *	100 GB	Operating vibration	2.17 G
Interface *	Serial ATA III	Non-operating vibration	3.13 G
Memory type *	MLC	Operating shock	1000 G
Hardware encryption *	✓	Operating / non-operating shock	1,000 G/0.5 msec
Data transfer rate	6 Gbit/s	Weight & dimensions	
Read speed	500 MB/s	Weight	70 g
Write speed	200 MB/s	Logistics data	
Random read (100% span)	75000 IOPS	Harmonized System (HS) code	8523510000
Random write (100% span)	19000 IOPS	Other features	
Read latency	50 µs	Product colour	Silver
Write latency	65 µs	Processor lithography	25 nm
Lithography	25 nm	Endurance rating	10 PB
End-to-End Data Protection	✓	Power consumption (active)	2.9 W
Enhanced Power Loss Data Protection technology	✓	Drive capacity	100 GB
SSD temperature monitoring	✓	Launch date	Q4'12
Temperature monitoring and logging	✓	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3700-brief.html
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Mean time between failures (MTBF)	2000000 h	SSD endurance rating	10 drive writes per day for 5 years
Market segment	Server	SSD hardware encryption	AES 256 bit
SSD ARK ID	71913	SSD power consumption (active)	2.9 W
Export Control Classification Number (ECCN)	5A992C	SSD power consumption (idle)	650 mW
Commodity Classification Automated Tracking System (CCATS)	G147123	SSD shock	1,000 G/0.5 msec
Power		SSD weight	70 g
Power consumption (read)	2.9 W	Sequential reading	500 MB/s
Power consumption (idle)	0.65 W	Sequential writing speed	200 MB/s
Brand-specific features		Status	Discontinued
Intel High Endurance Technology (HET)	✓	Last change	63903513
Intel® Rapid Start Technology	✗	Intel Rapid Start Technology version	0.00
		Product family	Data center SSD
		Product series	Intel DC S3700
		Product codename	Taylorville



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