

Intel SSDSC2BA800G3 internal solid state drive 2.5" 800 GB Serial ATA III MLC



Brand : Intel

Product code: SSDSC2BA800G3

Product name : SSDSC2BA800G3

SSD DC S3700 Series (800GB, 2.5in SATA 6Gb/s, 25nm, MLC)

Intel SSDSC2BA800G3. SSD capacity: 800 GB, SSD form factor: 2.5", Read speed: 500 MB/s, Write speed: 460 MB/s, Data transfer rate: 6 Gbit/s

Features

Security algorithms	256-bit AES
SSD form factor *	2.5"
SSD capacity *	800 GB
Interface *	Serial ATA III
Memory type *	MLC
Hardware encryption *	✓
Data transfer rate	6 Gbit/s
Read speed	500 MB/s
Write speed	460 MB/s
Random read (100% span)	75000 IOPS
Random write (100% span)	36000 IOPS
Read latency	50 µs
Write latency	65 µs
Lithography	25 nm
End-to-End Data Protection	✓
Enhanced Power Loss Data Protection technology	✓
SSD temperature monitoring	✓
Temperature monitoring and logging	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read
Mean time between failures (MTBF)	2000000 h
Market segment	Server
SSD ARK ID	71916
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G147123

Power

Power consumption (read)	6 W
Power consumption (standby)	0.65 W

Brand-specific features

Intel High Endurance Technology (HET)	✓
Intel® Rapid Start Technology	✗

Operational conditions

Operating temperature (T-T)	0 - 70 °C
Maximum operating temperature	70 °C
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1000 G
Non-operating shock	1000 G
Operating / non-operating shock	1,000 G/0.5 msec

Weight & dimensions

Weight	73.6 g
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Logistics data

Harmonized System (HS) code	8523510000
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Other features

Processor lithography	25 nm
Endurance rating	10 PB
Power consumption (active)	6 W
Born on date	Q4'12
Drive capacity	800 GB
Launch date	Q4'12
Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3700-brief.html
Product name	Intel SSD DC S3700 Series (800GB, 2.5in SATA 6Gb/s, 25nm, MLC)
SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
SSD endurance rating	10 drive writes per day for 5 years
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	6 W
SSD power consumption (idle)	650 mW
SSD shock	1,000 G/0.5 msec
SSD weight	73.6 g
Sequential reading	500 MB/s
Sequential writing speed	460 MB/s
Status	Discontinued
Last change	63903513
Intel Rapid Start Technology version	0.00
Product family	Data center SSD
Product series	Intel DC S3700
Product codename	Taylorsville



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