

Intel SSDSA2BZ100G3 internal solid state drive 2.5" 100 GB Serial ATA III MLC

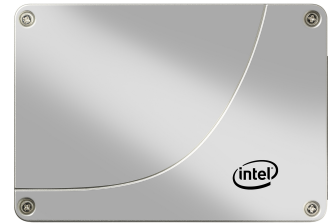
Brand : Intel

Product code: SSDSA2BZ100G3

Product name : SSDSA2BZ100G3

SSD 710 Series (100GB, 2.5in SATA 3Gb/s, 25nm, MLC)

Intel SSDSA2BZ100G3. SSD capacity: 100 GB, SSD form factor: 2.5", Read speed: 270 MB/s, Write speed: 170 MB/s, Data transfer rate: 3 Gbit/s



Features		Operational conditions	
SSD form factor *	2.5"	Operating temperature (T-T)	0 - 70 °C
SSD capacity *	100 GB	Maximum operating temperature	70 °C
Interface *	Serial ATA III	Operating vibration	2.17 G
Memory type *	MLC	Non-operating vibration	3.13 G
Data transfer rate	3 Gbit/s	Operating shock	1500 G
Read speed	270 MB/s	Non-operating shock	1500 G
Write speed	170 MB/s	Operating / non-operating shock	1,500 G/.5 msec
Random read (4KB)	38500 IOPS	Weight & dimensions	
Random write (4KB)	2300 IOPS	Weight	80 g
Random read (100% span)	38500 IOPS	Logistics data	
Random write (100% span)	2300 IOPS	Harmonized System (HS) code	8523510000
Read latency	75 µs	Other features	
Write latency	85 µs	Internal	✓
Lithography	25 nm	Processor lithography	25 nm
End-to-End Data Protection	✗	Born on date	Q3'11
Enhanced Power Loss Data Protection technology	✓	Drive capacity	100 GB
SSD temperature monitoring	✓	Launch date	Q3'11
Temperature monitoring and logging	✓	Product name	Intel SSD 710 Series (100GB, 2.5in SATA 3Gb/s, 25nm, MLC)
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Mean time between failures (MTBF)	2000000 h	SSD hardware encryption	AES 128 bit
Market segment	Mobile	SSD power consumption (active)	2.9 W (64K Sequential Write)
SSD ARK ID	56583	SSD power consumption (idle)	700 mW (Non-DIPM)
Power		SSD shock	1,500 G/.5 msec
Power consumption (read)	2.9 W	SSD weight	up to 80 ± 2 grams
Power consumption (write)	2.9 W	Sequential reading	270 MB/s
Power consumption (idle)	0.7 W	Sequential writing speed	170 MB/s
Brand-specific features		Status	Discontinued
Intel High Endurance Technology (HET)	✓	Last change	63903513
		Connectivity technology	Wired
		Product family	Legacy consumer SSD
		Product series	Intel 710
		Product codename	Lyndonville



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