

Intel SSDSA2BZ100G301 internal solid state drive 2.5" 100 GB Serial ATA II MLC



Brand : Intel

Product code: SSDSA2BZ100G301

Product name : SSDSA2BZ100G301

100GB 710 Series 2.5", SATAII, 25nm, MLC

Intel SSDSA2BZ100G301. 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		Brand-specific features	
Security algorithms	128-bit AES	Intel High Endurance Technology (HET)	✓
SSD form factor *	2.5"	Operational conditions	
SSD capacity *	100 GB	Operating temperature (T-T)	0 - 70 °C
Interface *	Serial ATA II	Storage temperature (T-T)	-55 - 95 °C
Memory type *	MLC	Maximum operating temperature	70 °C
Data transfer rate	3 Gbit/s	Operating vibration	2.17 G
Read speed	270 MB/s	Non-operating vibration	3.13 G
Write speed	170 MB/s	Operating shock	1500 G
Random read (4KB)	38500 IOPS	Non-operating shock	1500 G
Random write (4KB)	2300 IOPS	Operating / non-operating shock	1,500 G/.5 msec
Random read (100% span)	38500 IOPS	Weight & dimensions	
Random write (100% span)	2300 IOPS	Height	7 mm
Seek time	0.1 ms	Weight	80 g
Read latency	75 µs	Logistics data	
Write latency	85 µs	Harmonized System (HS) code	8523510000
Lithography	25 nm	Other features	
S.M.A.R.T. support	✓	Product colour	Silver
TRIM support	✓	Internal	✓
End-to-End Data Protection	✗	Processor lithography	25 nm
Enhanced Power Loss Data Protection technology	✓	Drive capacity	100 GB
SSD temperature monitoring	✓	Launch date	Q3'11
Temperature monitoring and logging	✓	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	SSD hardware encryption	AES 128 bit
Mean time between failures (MTBF)	2000000 h	SSD power consumption (active)	2.9 W (64K Sequential Write)
Market segment	Mobile	SSD power consumption (idle)	700 mW (Non-DIPM)
SSD ARK ID	56583	SSD shock	1,500 G/.5 msec
Power		Sequential reading	270 MB/s
Operating voltage	5 V	Sequential writing speed	170 MB/s
Power consumption (read)	2.9 W	Status	Discontinued
Power consumption (write)	2.9 W	Last change	63903513
Power consumption (standby)	0.7 W	Product family	Legacy consumer SSD
		Product series	Intel 710
		Product codename	Lyndonville



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