

Intel 320 2.5" 80 GB Serial ATA II MLC

Brand : Intel

Product code: SSDSA2CW080G310

Product name : 320



SSD 320 Series (80GB, 2.5in SATA 3Gb/s, 25nm, MLC)

Intel 320. SSD capacity: 80 GB, SSD form factor: 2.5", Read speed: 270 MB/s, Write speed: 90 MB/s

Features		Operational conditions	
SSD form factor *	2.5"	Operating temperature (T-T)	0 - 70 °C
SSD capacity *	80 GB	Operating vibration	2.17 G
Interface *	Serial ATA II	Non-operating vibration	3.13 G
Memory type *	MLC	Operating shock	1500 G
Read speed	270 MB/s	Weight & dimensions	
Write speed	90 MB/s	Height	9.5 mm
Random read (100% span)	38000 IOPS	Other features	
Random write (100% span)	300 IOPS	Product colour	Silver
Seek time	0.1 ms	Internal	✓
Read latency	75 µs	Processor lithography	25 nm
Write latency	90 µs	Drive capacity	80 GB
Lithography	25 nm	Launch date	Q1'11
S.M.A.R.T. support	✓	Random write (8GB span)	10000 IOPS
Enhanced Power Loss Data Protection technology	✓	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	SSD power consumption (active)	150 mw (MobileMark 2007 Workload), 2.5 W (64K Sequential Write)
Mean time between failures (MTBF)	1200000 h	SSD power consumption (idle)	100 mw (DIPM), .7 W (Non-DIPM)
Market segment	Mobile	SSD shock	1,500 G/.5 msec
SSD ARK ID	56571	Sequential reading	270 MB/s
Certification	UL, CE, C-Tick, BSMI, KCC, Microsoft WHQL, VCCI, SATA-IO, RoHS	Sequential writing speed	90 MB/s
Power		Status	Discontinued
Operating voltage	5 V	Random read (8GB span)	38000 IOPS
Power consumption (read)	0.15 W	Last change	63903513
Power consumption (write)	0.15 W	USB powered	✗
Power consumption (standby)	0.1 W	Product family	Legacy consumer SSD
		Product series	Intel 320
		Product codename	Postville Refresh



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