

## Intel 320 2.5" 160 GB Serial ATA II MLC

**Brand :** Intel

**Product code:** SSDSA2BW160G301

**Product name :** 320



SSD 320 Series (160GB, 2.5in SATA 3Gb/s, 25nm, MLC)

Intel 320. SSD capacity: 160 GB, SSD form factor: 2.5", Read speed: 270 MB/s, Write speed: 165 MB/s, Data transfer rate: 3 Gbit/s

Features		Operational conditions	
Security algorithms	128-bit AES	Operating temperature (T-T)	0 - 70 °C
SSD form factor *	2.5"	Storage temperature (T-T)	-55 - 95 °C
SSD capacity *	160 GB	Operating vibration	2.17 G
Interface *	Serial ATA II	Non-operating vibration	3.13 G
Memory type *	MLC	Operating shock	1500 G
Data transfer rate	3 Gbit/s	Non-operating shock	1500 G
Read speed	270 MB/s		
Write speed	165 MB/s	Weight & dimensions	
Random read (100% span)	39000 IOPS	Height	7 mm
Random write (100% span)	600 IOPS	Weight	82 g
Seek time	0.1 ms	Other features	
Read latency	75 µs	Product colour	Silver
Write latency	90 µs	Internal	✓
Lithography	25 nm	Processor lithography	25 nm
S.M.A.R.T. support	✓	Drive capacity	160 GB
TRIM support	✓	Launch date	Q1'11
Enhanced Power Loss Data Protection technology	✓	Random write (8GB span)	21000 IOPS
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>16</sup> bits read	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Mean time between failures (MTBF)	1200000 h	SSD power consumption (active)	150 mw (MobileMark 2007 Workload), 3.0 W (64K Sequential Write)
Market segment	Mobile	SSD power consumption (idle)	100 mw (DIPM), .7 W (Non-DIPM)
SSD ARK ID	56565	SSD shock	1,500 G/.5 msec
Power		Sequential reading	270 MB/s
Operating voltage	5 V	Sequential writing speed	165 MB/s
Power consumption (read)	3 W	Status	Discontinued
Power consumption (write)	3 W	Random read (8GB span)	39000 IOPS
Power consumption (standby)	0.7 W	Last change	63903513
		Product family	Legacy consumer SSD
		Product series	Intel 320
		Product codename	Postville Refresh



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