

## Intel 320 2.5" 600 GB Serial ATA MLC

**Brand :** Intel

**Product code:** S5DSA2BW600G3

**Product name :** 320

SSD 320 Series (600GB, 2.5in SATA 3Gb/s, 25nm, MLC)

Intel 320 2.5" 600 GB Serial ATA MLC:

### Enhanced Power Loss Data Protection

Enhanced Power Loss Data Protection prepares the SSD for unexpected system power loss by minimizing data in transition in temporary buffers, and uses on-board power-loss protection capacitance to provide enough energy for the SSD firmware to move data from the transfer buffer and other temporary buffers to the NAND, thus protecting system and user data.

Intel 320. SSD capacity: 600 GB, SSD form factor: 2.5", Read speed: 270 MB/s, Write speed: 220 MB/s, Data transfer rate: 3 Gbit/s



### Features

SSD form factor *	2.5"
SSD capacity *	600 GB
Interface *	Serial ATA
Memory type *	MLC
Data transfer rate	3 Gbit/s
Read speed	270 MB/s
Write speed	220 MB/s
Random read (4KB)	39500 IOPS
Random write (4KB)	23000 IOPS
Random read (100% span)	39500 IOPS
Random write (100% span)	150 IOPS
Read latency	75 µs
Write latency	90 µs
Lithography	25 nm
Enhanced Power Loss Data Protection technology	✓

### Features

Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>16</sup> bits read
Mean time between failures (MTBF)	1200000 h
SSD ARK ID	56569

### Power

Power consumption (write)	4 W
Power consumption (standby)	0.7 W

### Operational conditions

Operating temperature (T-T)	0 - 70 °C
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1500 G
Non-operating shock	1500 G

### Weight & dimensions

Weight	88 g
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### Other features

Product colour	Silver
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