

## Intel DC S3500 1.8" 240 GB Serial ATA III MLC

**Brand :** Intel

**Product code:** SSDSC1NB240G401

**Product name :** DC S3500



240GB Data Center S3500 Series 1.8" SATA III

Intel DC S3500 1.8" 240 GB Serial ATA III MLC:

Intel® Solid-State Drives (Intel® SSDs) are more reliable and consume less power than traditional hard drives. They also clock in with faster boot times, application launches, file loads, sleep recovery, and benchmarks. This means that improved performance, increased reliability, and lower operating costs are just a few of the benefits you'll reap when using Intel® Solid-State Drives.

Intel SSDs with High Endurance Technology enable a whole new way of looking at data center and cloud storage solutions. These Intel SSDs are designed for high-write endurance, extreme performance, and data protection.

Intel DC S3500. SSD capacity: 240 GB, SSD form factor: 1.8", Read speed: 500 MB/s, Write speed: 260 MB/s, Data transfer rate: 6 Gbit/s

### Features

Security algorithms	256-bit AES
SSD form factor *	1.8"
SSD capacity *	240 GB
Interface *	Serial ATA III
Memory type *	MLC
Data transfer rate	6 Gbit/s
Read speed	500 MB/s
Write speed	260 MB/s
Random read (4KB)	75000 IOPS
Random write (4KB)	7500 IOPS
Random read (100% span)	75000 IOPS
Random write (100% span)	7500 IOPS
Read latency	50 µs
Write latency	65 µs
Lithography	20 nm
S.M.A.R.T. support	✓
End-to-End Data Protection	✓
Enhanced Power Loss Data Protection technology	✓
SSD temperature monitoring	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read
Mean time between failures (MTBF)	2000000 h
Windows operating systems supported	✓
Market segment	Server
SSD usage tag	Data center
SSD ARK ID	75681

### Power

Power consumption (read)	1.3 W
Power consumption (write)	5 W
Power consumption (idle)	0.65 W

### Brand-specific features

Intel High Endurance Technology (HET) ✗

### Brand-specific features

Intel® Rapid Start Technology	✗
Intel® Smart Response Technology	✗
Intel Smart Response Technology version	0.00

### Operational conditions

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

### Weight & dimensions

Height	5 mm
Weight	37 g

### Other features

Product colour	Silver
Internal	✓
Processor lithography	20 nm
Drive capacity	240 GB
Launch date	Q2'13
Product brief URL	<a href="http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3500-brief.html">http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3500-brief.html</a>
SSD endurance rating	140 TBW
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	3.5W
SSD power consumption (idle)	0.6W
SSD shock	1,000 G (Max) at 0.5 msec
SSD weight	37 g
Sequential reading	500 MB/s
Sequential writing speed	260 MB/s
Status	Discontinued
Last change	63903513
Intel Rapid Start Technology version	0.00
Product family	Data center SSD
Product series	Intel DC S3500
Product codename	Wolfsville



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