

Intel DC S3500 2.5" 120 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BB120G401

Product name : DC S3500



120GB Data Center S3500 Series 2.5" SATA III

Intel DC S3500 2.5" 120 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: 120 GB, SSD form factor: 2.5", Read speed: 445 MB/s, Write speed: 135 MB/s, Data transfer rate: 6 Gbit/s

Features

Security algorithms	256-bit AES
SSD form factor *	2.5"
SSD capacity *	120 GB
Interface *	Serial ATA III
Memory type *	MLC
Data transfer rate	6 Gbit/s
Read speed	445 MB/s
Write speed	135 MB/s
Random read (4KB)	75000 IOPS
Random write (4KB)	4600 IOPS
Random read (100% span)	75000 IOPS
Random write (100% span)	4600 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 ¹⁷ bits read
Mean time between failures (MTBF)	2000000 h
Windows operating systems supported	✓
Market segment	Server
SSD usage tag	Data center
SSD ARK ID	75678

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	7 mm
Weight	70 g

Logistics data

Harmonized System (HS) code	84717070
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Other features

Product colour	Silver
Internal	✓
Processor lithography	20 nm
Drive capacity	120 GB
Launch date	Q2'13
Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3500-brief.html
SSD endurance rating	70 TBW
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	2.3W
SSD power consumption (idle)	0.8W
SSD shock	1,000 G (Max) at 0.5 msec
SSD weight	70 g
Sequential reading	445 MB/s
Sequential writing speed	135 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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