

Intel DC S3500 1.8" 400 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC1NB400G4

Product name : DC S3500



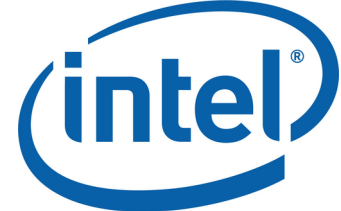
SSD DC S3500 Series (400GB, 1.8in SATA 6Gb/s, 20nm, MLC)

Intel DC S3500 1.8" 400 GB Serial ATA III MLC:

The Intel® SSD DC S3500 Series combines fast, consistent read performance with strong data protection and low active power levels to provide superior quality of service for video conferencing, big data analytics, or virtual client applications. Consistently low read latencies of 50µs typical (500µs max for 99.9% of the time) along with a tight distribution of up to 75,000 input/output per second (IOPS) delivers a high-performance, reliable, and efficient SSD specifically designed for data center application upgrades.

Key features and benefits of this drive include an Intel® 3rd generation controller, industry-leading 20nm multi-level cell (MLC) NAND flash technology, full end-to-end data protection, enhanced power-loss data protection, and a broad range of capacities up to 800GB.

Intel DC S3500. SSD capacity: 400 GB, SSD form factor: 1.8", Read speed: 500 MB/s, Write speed: 380 MB/s, Data transfer rate: 6 Gbit/s



Features		Brand-specific features	
Security algorithms	256-bit AES	Intel Smart Response Technology version	0.00
SSD form factor *	1.8"	Operational conditions	
SSD capacity *	400 GB	Operating temperature (T-T)	0 - 70 °C
Interface *	Serial ATA III	Storage temperature (T-T)	-55 - 95 °C
Memory type *	MLC	Operating vibration	2.17 G
Data transfer rate	6 Gbit/s	Non-operating vibration	3.13 G
Read speed	500 MB/s	Operating shock	1000 G
Write speed	380 MB/s	Non-operating shock	1000 G
Random read (100% span)	75000 IOPS	Maximum non-operating altitude	12192 m
Random write (100% span)	11000 IOPS	Maximum operating altitude	3048 m
Read latency	50 µs	Technical details	
Write latency	65 µs	Sustainability certificates	RoHS
Lithography	20 nm	Weight & dimensions	
S.M.A.R.T. support	✓	Weight	37 g
TRIM support	✓	Other features	
End-to-End Data Protection	✓	Product colour	Silver
Enhanced Power Loss Data Protection technology	✓	Processor lithography	20 nm
Native Command Queuing (NCQ)	✓	Power consumption (active)	4.5 W
SSD temperature monitoring	✓	Born on date	Q2'13
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Drive capacity	400 GB
Mean time between failures (MTBF)	2000000 h	Launch date	2013-06-11T00:00:00
TBW rating	225	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3500-brief.html
Market segment	Server	Product name	Intel SSD DC S3500 Series (400GB, 1.8in SATA 6Gb/s, 20nm, MLC)
SSD usage tag	Data center	SSD endurance rating	225 TBW
SSD ARK ID	75683	SSD hardware encryption	AES 256 bit
Certification	UL, CE, C-Tick, BSMI, KCC, Microsoft WHCK, VCCI, SATA-IO	SSD power consumption (active)	4.5W
Power		SSD power consumption (idle)	0.6W
Power consumption (standby)	0.6 W	SSD shock	1,000 G (Max) at 0.5 msec
Brand-specific features		SSD weight	37 g
Intel High Endurance Technology (HET)	✗	Sequential reading	500 MB/s
		Sequential writing speed	380 MB/s
		Status	Launched
		Product family	Data center SSD
		Product series	Intel DC S3500
		Product codename	Wolfsville

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