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	
Security algorithms	256-bit AES
SSD form factor *	1.8"
SSD capacity *	400 GB
Interface *	Serial ATA III
Memory type *	MLC
Data transfer rate	6 Gbit/s
Read speed	500 MB/s
Write speed	380 MB/s
Random read (100% span)	75000 IOPS
Random write (100% span)	11000 IOPS
Read latency	50 µs
Write latency	65 µs
Lithography	20 nm
S.M.A.R.T. support	✓
TRIM support	✓
End-to-End Data Protection	✓
Enhanced Power Loss Data Protection technology	✓
Native Command Queuing (NCQ)	✓
SSD temperature monitoring	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10^17 bits read
Mean time between failures (MTBF)	2000000 h
TBW rating	225
Market segment	Server
SSD usage tag	Data center
SSD ARK ID	75683
Certification	UL, CE, C-Tick, BSMI, KCC, Microsoft WHCK, VCCI, SATA-IO

Power	
Power consumption (standby)	0.6 W

Brand-specific features	
Intel High Endurance Technology (HET)	✗

Brand-specific features	
Intel Smart Response Technology version	0.00

Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Storage temperature (T-T)	-55 - 95 °C
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1000 G
Non-operating shock	1000 G
Maximum non-operating altitude	12192 m
Maximum operating altitude	3048 m

Technical details	
Sustainability certificates	RoHS

Weight & dimensions	
Weight	37 g

Other features

Product colour	Silver
Processor lithography	20 nm
Power consumption (active)	4.5 W
Born on date	Q2'13
Drive capacity	400 GB
Launch date	2013-06-11T00:00:00
Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3500-brief.html
Product name	Intel SSD DC S3500 Series (400GB, 1.8in SATA 6Gb/s, 20nm, MLC)
SSD endurance rating	225 TBW
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	4.5W
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	380 MB/s
Status	Launched
Product family	Data center SSD
Product series	Intel DC S3500
Product codename	Wolfsville

Publication date: 18-JAN-2024. Prints or copies of Information are only valid on the printed Publication date