

Intel DC S3500 2.5" 600 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BB600G4

Product name : DC S3500



SSD 600GB 2.5in, SATA 3, 20nm flash memory, MLC 7mm OEM (Bulk) Pack
 Intel DC S3500. SSD capacity: 600 GB, SSD form factor: 2.5", Read speed: 500 MB/s, Write speed: 450 MB/s, Data transfer rate: 6 Gbit/s



Features

Security algorithms	256-bit AES
SSD form factor *	2.5"
SSD capacity *	600 GB
Interface *	Serial ATA III
Memory type *	MLC
Hardware encryption *	✓
Data transfer rate	6 Gbit/s
Read speed	500 MB/s
Write speed	450 MB/s
Random read (4KB)	75000 IOPS
Random write (4KB)	11500 IOPS
Random read (100% span)	75000 IOPS
Random write (100% span)	11000 IOPS
Read latency	50 µs
Write latency	65 µs
Lithography	20 nm
TRIM support	✓
ECC	✓
Enhanced Power Loss Data Protection technology	✓
Native Command Queuing (NCQ)	✓
SSD temperature monitoring	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read
Data retention	0.25 year(s)
Mean time between failures (MTBF)	2000000 h
Protection features	Shock resistant
Windows operating systems supported	Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Linux operating systems supported	SuSE Linux 10, SuSE Linux 11, Yes
Market segment	Server
SSD usage tag	Data center
SSD ARK ID	74944

Power

Operating voltage	5 V
Power consumption	650 mA

Brand-specific features

Intel Smart Response Technology version	0.00
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Operational conditions

Operating temperature (T-T)	0 - 70 °C
Storage temperature (T-T)	-55 - 95 °C
Operating relative humidity (H-H)	5 - 95%
Storage relative humidity (H-H)	5 - 95%
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1000 G

Technical details

Sustainability certificates	RoHS
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Weight & dimensions

Width	69.8 mm
Depth	100.5 mm
Height	7 mm
Weight	72 g

Other features

Product colour	Grey
Internal	✗
Processor lithography	20 nm
Born on date	Q2'13
Drive capacity	600 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 (600GB, 2.5in SATA 6Gb/s, 20nm, MLC)
SSD endurance rating	330 TBW
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	4.5W
SSD power consumption (idle)	0.9W
SSD shock	1,000 G (Max) at 0.5 msec
SSD weight	72 g
Sequential reading	500 MB/s
Sequential writing speed	410 MB/s
Status	Launched
Product family	Data center SSD
Product series	Intel DC S3500
Product codename	Wolfsville

Brand-specific features

Intel High Endurance Technology
(HET)



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