

Intel DC S3500 2.5" 120 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BB120G4K5

Product name : DC S3500



120GB, 2.5" SATA 6Gb/s, 20nm, MLC, 5 Pack

[Intel DC S3500 2.5" 120 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)¹ 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: 120 GB, SSD form factor: 2.5", Read speed: 445 MB/s, Write speed: 135 MB/s, Data transfer rate: 6 Gbit/s

| Features | | Features | |
|--|------------------------------------|---------------------------------------|-----------------|
| Security algorithms | 256-bit AES | SSD usage tag | Data center |
| SSD form factor * | 2.5" | SSD ARK ID | 75678 |
| SSD capacity * | 120 GB | Power | |
| Interface * | Serial ATA III | Power consumption (idle) | 0.8 W |
| Memory type * | MLC | Brand-specific features | |
| Hardware encryption * | ✓ | Intel High Endurance Technology (HET) | ✗ |
| Data transfer rate | 6 Gbit/s | Intel® Rapid Start Technology | ✗ |
| Read speed | 445 MB/s | Intel® Smart Response Technology | ✗ |
| Write speed | 135 MB/s | Operational conditions | |
| Random read (4KB) | 75000 IOPS | Operating temperature (T-T) | 0 - 70 °C |
| Random write (4KB) | 4600 IOPS | Operating vibration | 2.17 G |
| Random read (100% span) | 75000 IOPS | Non-operating vibration | 3.13 G |
| Random write (100% span) | 4600 IOPS | Operating shock | 1000 G |
| Read latency | 50 µs | Non-operating shock | 1000 G |
| Write latency | 65 µs | Weight & dimensions | |
| Lithography | 20 nm | Weight | 70 g |
| End-to-End Data Protection | ✓ | Other features | |
| Enhanced Power Loss Data Protection technology | ✓ | Processor lithography | 20 nm |
| SSD temperature monitoring | ✓ | Status | Launched |
| Uncorrectable Bit Error Rate (UBER) | < 1 per 10 ¹⁷ bits read | Product family | Data center SSD |
| Mean time between failures (MTBF) | 2000000 h | Product series | Intel DC S3500 |
| | | Product codename | Wolfsville |

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