

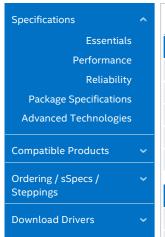
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Intel® SSD DC S3510 Series (80GB, 2.5in SATA 6Gb/s, 16nm, MLC)



| Specifications | |
|----------------------------|----------|
| - Essentials | |
| Capacity | 80 GB |
| Status | Launched |
| Launch Date | Q2'15 |
| Lithography Type | 16 nm |
| Recommended Customer Price | N/A |

| - Performance | |
|--------------------------|------------|
| Sequential Read (up to) | 375 MB/s |
| Sequential Write (up to) | 110 MB/s |
| Random Read (100% Span) | 68000 IOPS |
| Random Write (100% Span) | 8400 IOPS |
| Latency - Read | 55 μs |
| Latency - Write | 66 μs |
| Power - Active | 1.91 W |
| Power - Idle | 600 mW |

| - Reliability | |
|-------------------------------------|------------------------------|
| Vibration - Operating | 1000 G/0.5 msec |
| Vibration - Non-Operating | 1000G/0.5 msec |
| Shock (Operating and Non-Operating) | 1000G/0.5 msec |
| Operating Temperature Range | 0°C to 70°C |
| Endurance Rating (Lifetime Writes) | 45 TBW |
| Mean Time Between Failures (MTBF) | 2 million hours |
| Uncorrectable Bit Error Rate (UBER) | 1 sector per 10^17 bits read |
| Warranty Period | 5 yrs |
| | |

| Package Specifications | |
|------------------------|----------------------|
| Weight | 88 grams +/- 2 grams |
| Form Factor | 2.5" 7mm |
| Interface | SATA 3.0 6Gb/S |

| Yes |
|-------------|
| AES 256 bit |
| No |
| Yes |
| Yes |
| No |
| No |
| |

Related Products Data Center SSDs Intel® SSD DC S3510 Series Products formerly Haleyville

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| PCN/MDDS Information | |
|----------------------|--|
| 941809: PCN MDDS | |
| 941810: PCN MDDS | |

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Refer to Datasheet for formal definitions of product properties and features.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

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