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Intel® SSD DC S3610 Series (800GB, 2.5in SATA 6Gb/s, 20nm, MLC)

Compare

- Specifications
- Essentials
- Performance
- Reliability
- Package Specifications
- Advanced Technologies
- Compatible Products
- Ordering / sSpecs / Steppings

Specifications	
Essentials	
Capacity	800 GB
Status	Launched
Launch Date	Q1'15
Datasheet	Link
Product Brief	Link
Lithography Type	20 nm
Recommended Customer Price	N/A
Performance	
Sequential Read (up to)	550 MB/s
Sequential Write (up to)	520 MB/s
Random Read (100% Span)	84000 IOPS
Random Write (100% Span)	28000 IOPS
Latency - Read	55 µs
Latency - Write	66 µs
Power - Active	6.0 W
Power - Idle	0.6 W
Reliability	
Vibration - Operating	2.17 GRMS (5-700Hz)
Vibration - Non-Operating	3.13 GRMS (5-800Hz)
Shock (Operating and Non-Operating)	1,000 G/0.5 ms
Operating Temperature Range	0°C to 70°C
Mean Time Between Failures (MTBF)	2000000
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
Advanced Technologies	
Enhanced Power Loss Data Protection	Yes
Hardware Encryption	AES 256 bit
High Endurance Technology (HET)	Yes
Temperature Monitoring and Logging	Yes
End-to-End Data Protection	Yes

Related Products

- Data Center SSDs
- Intel® SSD DC S3610 Series
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- [Export Full Specifications >](#)
- [Support Overview >](#)
- [Search Distributors >](#)

PCN/MDDS Information

- 937751: [PCN](#) | [MDDS](#)
- 940784: [PCN](#) | [MDDS](#)
- 940785: [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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