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## Intel® SSD DC S3700 Series (400GB, 2.5in SATA 6Gb/s, 25nm, MLC)

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### Specifications

- Essentials	
Capacity	400 GB
Status	Launched
Launch Date	Q4'12
Datasheet	<a href="#">Link</a>
Product Brief	<a href="#">Link</a>
Additional Information URL	<a href="#">Link</a>
Lithography Type	25nm
Recommended Customer Price	N/A

- Performance	
Sequential Read (up to)	500 MB/s
Sequential Write (up to)	460 MB/s
Random Read (100% Span)	75000 IOPS
Random Write (100% Span)	36000 IOPS
Latency - Read	50 μs
Latency - Write	65 μs
Power - Active	5.4 W
Power - Idle	650 mW

- Reliability	
Vibration - Operating	2.17 GRMS (5-700 Hz)
Vibration - Non-Operating	3.13 GRMS (5-800 Hz)
Shock (Operating and Non-Operating)	1,000 G/0.5 msec
Operating Temperature Range	0°C to 70°C
Endurance Rating (Lifetime Writes)	10 drive writes per day for 5 years
Mean Time Between Failures (MTBF)	2,000,000 Hours
Uncorrectable Bit Error Rate (UBER)	1 sector per 10 <sup>17</sup> bits read
Warranty Period	5 yrs

- Package Specifications	
Components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Weight	73.6 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

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- Intel® SSD DC S3700 Series
- Products formerly Taylorsville

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### PCN/MDDS Information

921636: [PCN](#) | [MDDS](#)  
 925880: [PCN](#) | [MDDS](#)

End-to-End Data Protection	Yes
Intel® Rapid Start Technology	No

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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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