

# Intel® SSD 320 Series (160GB, 2.5in SATA 3Gb/s, 25nm, MLC)

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## SPECIFICATIONS

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## SPECIFICATIONS

### Essentials

Status	Launched
Launch Date	Q1'11
Sequential Read	270 MB/s
Sequential Write	165 MB/s
Random Read (8GB Span)	39000 IOPS
Random Read (100% Span)	39000 IOPS
Random Write (8GB Span)	21000 IOPS
Random Write (100% Span)	600 IOPS
Latency - Read	75 µs
Latency - Write	90 µs
Power - Active	150 mw (MobileMark 2007 Workload), 3.0 W (64K Sequential Write)
Power - Idle	100 mw (DIPM), .7 W (Non-DIPM)
Vibration - Operating	2.17 G <sub>RMS</sub> (5-700 Hz)
Vibration - Non-Operating	3.13 G <sub>RMS</sub> (5-800 Hz)
Shock (Operating and Non-Operating)	1,500 G/5 msec
Operating Temperature	0 - 70 C
Weight	up to 88 ± 2 grams
Mean Time Between Failures (MTBF)	1,200,000 Hours
Uncorrectable Bit Error Rate (UBER)	1 sector per 10 <sup>16</sup>
Recommended Customer Price	BOX: \$269.00 - \$289.00 BULK: \$269.00

### Package Specifications

Components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Capacity	160 GB
Form Factor	2.5 inch SATA
Interface	SATA - 3.0 Gb/s
Lithography	25 nm

### Advanced Technologies

Enhanced Power Loss Data Protection	Yes
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## PCN/MDDS Information

909428: PCN | MDDS  
 910841: PCN | MDDS  
 911131: PCN | MDDS  
 913229: PCN | MDDS  
 913234: PCN | MDDS  
 916323: PCN | MDDS

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

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