Intel® SSD 320 Series (300GB, 1.8in microSATA 3Gb/s, 25nm, MLC)

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SPECIFICATIONS

Essentials
Package Specifications
Advanced Technologies

ORDERING / SSPECS / STEPPINGS

SPECIFICATIONS

Essentials	
Status	Launched
Launch Date	Q2'11
Sequential Read	270 MB/s
Sequential Write	205 MB/s
Random Read (8GB Span)	39500 IOPS
Random Read (100% Span)	39500 IOPS
Random Write (8GB Span)	23000 IOPS
Random Write (100% Span)	400 IOPS
Latency - Read	75 µs
Latency - Write	90 µs
Power - Active	150 mw (MobileMark 2007 Workload), 3.5 W (64K Sequential Write)
Power - Idle	100 mw (DIPM), .7 W (Non-DIPM)
Vibration - Operating	2.17 G_{RMS} (5-700 Hz)
Vibration - Non-Operating	3.13 G_{RMS} (5-800 Hz)
Shock (Operating and Non-Operating)	1,500 G/.5 msec
Operating Temperature	0 - 70 C
Weight	up to 49 ± 2 grams
Mean Time Between Failures (MTBF)	1,200,000 Hours
Uncorrectable Bit Error Rate (UBER)	1 sector per 10^{16}
Recommended Customer Price	BULK: $559.00

Package Specifications	
Components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Capacity	300 GB
Form Factor	1.8 inch microSATA
Interface	SATA - 3.0 Gb/s
Lithography	25 nm

Advanced Technologies	
Enhanced Power Loss Data Protection	Yes

QUICK LINKS

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PCN/MDDS Information

910846: 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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