

Intel® SSD 510 Series

(250GB, 2.5in SATA 6Gb/s, 34nm, MLC)

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Specifications	
Essentials	
Status	End of Life
Launch Date	Q1'11
Sequential Read	500 MB/s
Sequential Write	315 MB/s
Random Read (8GB Span)	20000 IOPS
Random Write (8GB Span)	8000 IOPS
Latency - Read	65 µs
Latency - Write	80 µs
Power - Active	380 mw (MobileMark 2007 Workload)
Power - Idle	100 mw (DIPM)
Vibration - Operating	2.17 Grms (7-800 Hz)
Vibration - Non-Operating	3.08 Grms (7-800 Hz)
Shock (Operating and Non-Operating)	1,500 G/.5 msec
Operating Temperature Range	0°C to 70°C
Weight	up to 80 ± 2 grams
Mean Time Between Failures (MTBF)	1,200,000 Hours
Uncorrectable Bit Error Rate (UBER)	1 sector per 10 ¹⁶
Datasheet	Link
Recommended Customer Price	N/A
Package Specifications	
Components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Capacity	250 GB
Form Factor	2.5" 9mm
Interface	SATA 3.0 6Gb/s
Lithography	34 nm
Advanced Technologies	
Enhanced Power Loss Data Protection	No

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PCN/MDDS Information

PCN/MDDS Information Not Available

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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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