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Intel® SSD 520 Series

60GB, 2.5in SATA 6Gb/s, 25nm, MLC

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Product Collection	Intel® SSD 520 Series
Code Name	Products formerly Cherryville
Capacity	60 GB
Status	Discontinued
Launch Date ?	Q1'12
Lithography Type	25 nm
Recommended Customer Price ?	N/A

Performance

Sequential Read (up to) ?	550 MB/s
Sequential Write (up to) ?	475 MB/s
Random Read (8GB Span) (up to) ?	15000 IOPS
Random Write (8GB Span) (up to) ?	23000 IOPS
Latency - Read ?	80 µs
Latency - Write ?	85 µs
Power - Active ?	850 mW (MobileMark 2007 Workload)
Power - Idle ?	600 mW (DIPM)

Reliability

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 Range	0°C to 70°C
Mean Time Between Failures (MTBF) ?	1,200,000 Hours
Uncorrectable Bit Error Rate (UBER) ?	1 sector per 10^{16}
Warranty Period	5 yrs

Package Specifications

Components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Weight	Up to 78 grams
Form Factor ?	2.5" 7mm
Interface ?	SATA 3.0 6Gb/S

Advanced Technologies

Enhanced Power Loss Data Protection ❓	No
Hardware Encryption ❓	AES 128 bit

More support options for Intel® SSD 520 Series (60GB, 2.5in SATA 6Gb/s, 25nm, MLC)

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