

## Intel 520 2.5" 480 GB Serial ATA III MLC

**Brand :** Intel

**Product code:** SSDSC2CW480A310

**Product name :** 520



SSD 520 Series (480GB, 2.5in SATA 6Gb/s, 25nm, MLC)

Intel 520. SSD capacity: 480 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s

Features		Packaging data	
SSD form factor *	2.5"	Bundled software	Intel Data Migration Software, Intel Solid-State Drive Toolbox
SSD capacity *	480 GB	<b>Other features</b>	
Interface *	Serial ATA III	Internal	✓
Memory type *	MLC	Processor lithography	25 nm
Data transfer rate	6 Gbit/s	Drive capacity	480 GB
Read speed	550 MB/s	Launch date	Q1'12
Write speed	520 MB/s	Random write (8GB span)	42000 IOPS
Random read (4KB)	85000 IOPS	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Random write (4KB)	70000 IOPS	SSD hardware encryption	AES 128 bit
Read latency	80 µs	SSD power consumption (active)	850 mW (MobileMark 2007 Workload)
Write latency	85 µs	SSD power consumption (idle)	600 mW (DIPM)
Lithography	25 nm	SSD shock	1,500 G/.5 msec
Enhanced Power Loss Data Protection technology	✗	Sequential reading	550 MB/s
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>16</sup> bits read	Sequential writing speed	520 MB/s
Data retention	5 year(s)	Status	Discontinued
Market segment	Mobile	Random read (8GB span)	50000 IOPS
SSD ARK ID	66251	Last change	63903513
<b>Operational conditions</b>		Connectivity technology	Wired
Operating temperature (T-T)	0 - 70 °C	Product family	Legacy consumer SSD
Operating vibration	2.17 G	Product series	Intel 520
Non-operating vibration	3.13 G	Product codename	Cherryville



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