

# Intel SSDSC2BP480G401 internal solid state drive 2.5" 480 GB Serial ATA III MLC

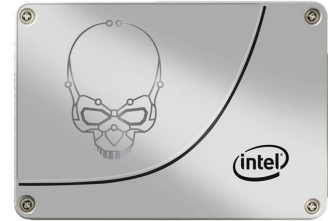
**Brand :** Intel

**Product code:** SSDSC2BP480G401

**Product name :** SSDSC2BP480G401

SSD 730 Series (480GB, 2.5in SATA 6Gb/s, 20nm, MLC)

[Intel SSDSC2BP480G401 internal solid state drive 2.5" 480 GB Serial ATA III MLC:](#)



## Temperature Monitoring and Logging

Temperature Monitoring and Logging uses an internal temperature sensor to monitor and log airflow and device internal temperature. The logged results can be accessed using the SMART command.

## Intel® Rapid Start Technology

Intel® Rapid Start Technology allows quick system resumes from the hibernate state.

Intel SSDSC2BP480G401. SSD capacity: 480 GB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 470 MB/s, Data transfer rate: 6 Gbit/s

Features		Operational conditions	
Security algorithms	256-bit AES	Maximum operating temperature	70 °C
SSD form factor *	2.5"	Operating vibration	2.17 G
SSD capacity *	480 GB	Non-operating vibration	3.13 G
Interface *	Serial ATA III	Operating shock	1000 G
Memory type *	MLC	Operating / non-operating shock	1,000 G (Max) at 0.5 msec
Hardware encryption *	✓	Weight & dimensions	
Data transfer rate	6 Gbit/s	Width	69.8 mm
Read speed	550 MB/s	Depth	100.4 mm
Write speed	470 MB/s	Height	7 mm
Random read (4KB)	89000 IOPS	Weight	72 g
Random write (4KB)	74000 IOPS	Logistics data	
Read latency	50 µs	Harmonized System (HS) code	8523510000
Write latency	60 µs	Other features	
Lithography	20 nm	Product colour	Silver
End-to-End Data Protection	✗	Processor lithography	20 nm
Enhanced Power Loss Data Protection technology	✗	Power consumption (active)	5.5 W
SSD temperature monitoring	✓	Born on date	Q1'14
Temperature monitoring and logging	✓	Drive capacity	480 GB
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Launch date	Q1'14
Mean time between failures (MTBF)	2000000 h	Product brief URL	<a href="http://www.intel.com/content/www/us/en/solid-state-drives/ssd-730-series-brief.html">http://www.intel.com/content/www/us/en/solid-state-drives/ssd-730-series-brief.html</a>
Market segment	Mobile	Product name	Intel SSD 730 Series (480GB, 2.5in SATA 6Gb/s, 20nm, MLC)
SSD usage tag	Consumer	Random write (8GB span)	74000 IOPS
SSD ARK ID	81039	SSD endurance rating	70GB Writes/day
Export Control Classification Number (ECCN)	5A992C	SSD hardware encryption	AES 256 bit
Commodity Classification Automated Tracking System (CCATS)	G147123	SSD power consumption (active)	5.5W
		SSD power consumption (idle)	1.5W
		SSD shock	1,000 G (Max) at 0.5 msec
		SSD weight	72 g
		Sequential reading	550 MB/s
		Sequential writing speed	470 MB/s
		Status	Discontinued
		Random read (8GB span)	89000 IOPS
		Last change	63903513
		Intel Rapid Start Technology version	1.00
		Product family	Consumer SSD
		Product series	Intel 730
		Product codename	Jackson Ridge
Power			
Power consumption (read)	5.5 W		
Power consumption (idle)	1.5 W		
Brand-specific features			
Intel High Endurance Technology (HET)	✗		
Intel® Rapid Start Technology	✓		
Operational conditions			
Operating temperature (T-T)	0 - 70 °C		



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