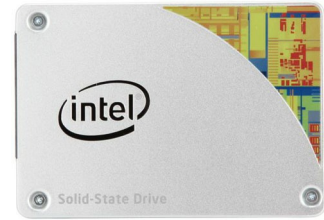


## Intel SSDSC2BW180A401 internal solid state drive 2.5" 180 GB Serial ATA III MLC

**Brand :** Intel

**Product code:** SSDSC2BW180A401

**Product name :** SSDSC2BW180A401



SSD 530 Series (180GB, 2.5in SATA 6Gb/s, 20nm, MLC)

Intel SSDSC2BW180A401 internal solid state drive 2.5" 180 GB Serial ATA III MLC:

With the Intel® Solid-State Drive 530 Series, your computer will blaze through the most demanding consumer client applications and will easily handle your multitasking needs. With no moving parts, the Intel SSD 530 Series reduces your risk of data loss caused by shock or vibration during operation. The Intel SSD 530 Series is specially targeted toward consumer Ultrabook™ and notebooks, All-in-One (AIO) desktops, Intel® NUC, and embedded designs. In addition to the strong performance gains, the Intel SSD 530 Series introduces new low-power modes with cell-phone-like standby battery life.

Intel SSDSC2BW180A401. SSD capacity: 180 GB, SSD form factor: 2.5", Read speed: 540 MB/s, Write speed: 490 MB/s, Data transfer rate: 6 Gbit/s



Features		Operational conditions	
Security algorithms	256-bit AES	Operating temperature (T-T)	0 - 70 °C
SSD form factor *	2.5"	Storage temperature (T-T)	-55 - 95 °C
SSD capacity *	180 GB	Maximum operating temperature	70 °C
Interface *	Serial ATA III	Operating vibration	2.17 G
Memory type *	MLC	Non-operating vibration	3.13 G
Data transfer rate	6 Gbit/s	Operating / non-operating shock	1500 G (Max) at 0.5 msec
Read speed	540 MB/s	<b>Technical details</b>	
Write speed	490 MB/s	Sustainability certificates	RoHS
Random read (4KB)	41000 IOPS	<b>Weight &amp; dimensions</b>	
Random write (4KB)	80000 IOPS	Height	7 mm
Read latency	80 µs	Weight	78 g
Write latency	85 µs	<b>Logistics data</b>	
Lithography	20 nm	Harmonized System (HS) code	8523510000
S.M.A.R.T. support	✓	<b>Other features</b>	
TRIM support	✓	Product colour	Silver
RAID support	✓	Internal	✓
End-to-End Data Protection	✓	Processor lithography	20 nm
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>16</sup> bits read	Drive capacity	180 GB
Mean time between failures (MTBF)	1200000 h	Launch date	Q3'13
Windows operating systems supported	✓	Product brief URL	<a href="http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/ssd-530-brief.pdf">http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/ssd-530-brief.pdf</a>
Market segment	Mobile	Random write (8GB span)	80000 IOPS
SSD usage tag	Consumer	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
SSD ARK ID	75328	SSD hardware encryption	AES 256 bit
<b>Power</b>		SSD power consumption (active)	140 mW
Operating voltage	5 V	SSD power consumption (idle)	55 mW
Power consumption (read)	0.195 W	SSD shock	1500 G (Max) at 0.5 msec
Power consumption (write)	0.195 W	Sequential reading	540 MB/s
Power consumption (sleep)	0.005 W	Sequential writing speed	490 MB/s
Power consumption (idle)	0.125 W	Status	Discontinued
<b>Brand-specific features</b>		Random read (8GB span)	41000 IOPS
Intel® Rapid Start Technology	✓	Last change	63903513
Intel® Smart Response Technology	✓	Intel Rapid Start Technology version	1.00
Intel Smart Response Technology version	1.00	Product family	Consumer SSD
		Product series	Intel 530
		Product codename	Dale Crest



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