

Intel SSDSC2BF180A401 internal solid state drive 2.5" 180 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSC2BF180A401

Product name : SSDSC2BF180A401

180GB Pro 1500, 2.5", SATA III, MLC

Intel SSDSC2BF180A401 internal solid state drive 2.5" 180 GB Serial ATA III MLC:

Intel® Solid-State Drive Pro 1500 Series accelerates business storage and lowers total cost of ownership with integrated drive encryption, remote management, and long battery life. In addition, the Intel SSD Pro 1500 Series is designed to meet an annualized failure rate (AFR) of less than 1%1. Experience the performance, manageability, and reliability of an Intel® SSD and deliver like a pro.

Intel SSDSC2BF180A401. 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
Hardware encryption *	✓	Operating / non-operating shock	1,500 G (Max) at 0.5 msec
Data transfer rate	6 Gbit/s	Technical details	
Read speed	540 MB/s	Sustainability certificates	RoHS
Write speed	490 MB/s	Weight & dimensions	
Random read (4KB)	41000 IOPS	Width	69.8 mm
Random write (4KB)	80000 IOPS	Depth	100.5 mm
Read latency	80 µs	Height	7 mm
Write latency	85 µs	Weight	78 g
Lithography	20 nm	Logistics data	
S.M.A.R.T. support	✓	Harmonized System (HS) code	8523510000
TRIM support	✓	Other features	
RAID support	✓	Product colour	Silver
ECC	✓	Internal	✓
End-to-End Data Protection	✓	Processor lithography	20 nm
Enhanced Power Loss Data Protection technology	✗	Born on date	Q3'13
Native Command Queuing (NCQ)	✓	Drive capacity	180 GB
SSD temperature monitoring	✗	Launch date	Q3'13
Temperature monitoring and logging	✗	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-pro-1500-series-brief.html
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	Product name	Intel SSD Pro 1500 Series (180GB, 2.5in SATA 6Gb/s, 20nm, MLC)
Mean time between failures (MTBF)	1200000 h	Random write (8GB span)	80000 IOPS
Market segment	Mobile	SSD hardware encryption	AES 256 bit
SSD ARK ID	78068	SSD power consumption (active)	195 mW
Export Control Classification Number (ECCN)	5A992C	SSD power consumption (idle)	125 mW
Commodity Classification Automated Tracking System (CCATS)	G400878-1	SSD shock	1,500 G (Max) at 0.5 msec
Brand-specific features		SSD weight	< 78 grams
Intel High Endurance Technology (HET)	✗	Sequential reading	540 MB/s
Intel® Rapid Start Technology	✓	Sequential writing speed	490 MB/s
Intel® Remote Secure Erase	✓	Status	Discontinued
Intel® Smart Response Technology	✓	Random read (8GB span)	41000 IOPS
Intel Smart Response Technology version	1.00	Last change	63903513
		Intel Rapid Start Technology version	1.00
		Remote Secure Erase (RSE) technology version	1.00
		Product family	Professional SSD
		Product series	Intel Pro 1500
		Product codename	Sierra Star



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