

## Intel Pro 2500 M.2 180 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSCKJF180A5

Product name : Pro 2500



SSD Pro 2500 Series (180GB, M.2 80mm SATA 6Gb/s, 20nm, MLC)

[Intel Pro 2500 M.2 180 GB Serial ATA III MLC:](#)

### End-to-End Data Protection

End-to-End Data Protection ensures integrity of stored data from the computer to the SSD and back.



### Intel® Smart Response Technology

Intel® Smart Response Technology combines the fast performance of a small solid state drive with the large capacity of a hard disk drive

### Intel® Rapid Start Technology

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

Intel Pro 2500. SSD capacity: 180 GB, SSD form factor: M.2, Read speed: 540 MB/s, Write speed: 490 MB/s, Data transfer rate: 6 Gbit/s

Features		Brand-specific features	
Security algorithms	256-bit AES	Intel® Smart Response Technology	✓
SSD form factor *	M.2	Intel Smart Response Technology version	1.00
SSD capacity *	180 GB	<b>Operational conditions</b>	
Interface *	Serial ATA III	Operating temperature (T-T)	0 - 70 °C
Memory type *	MLC	Storage temperature (T-T)	-55 - 90 °C
Data transfer rate	6 Gbit/s	Operating vibration	2.17 G
Read speed	540 MB/s	Non-operating vibration	3.13 G
Write speed	490 MB/s	Operating shock	1000 G
Random read (4KB)	45000 IOPS	<b>Technical details</b>	
Random write (4KB)	80000 IOPS	Sustainability certificates	RoHS
Read latency	80 µs	<b>Weight &amp; dimensions</b>	
Write latency	85 µs	Width	22 mm
Lithography	20 nm	Depth	80 mm
End-to-End Data Protection	✓	Height	2.23 mm
Enhanced Power Loss Data Protection technology	✗	Weight	10 g
SSD temperature monitoring	✗	<b>Other features</b>	
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>16</sup> bits read	Processor lithography	20 nm
Mean time between failures (MTBF)	1200000 h	Born on date	Q4'14
Market segment	Mobile	Drive capacity	180 GB
SSD usage tag	Professional	Launch date	2014-12-31T00:00:00
SSD ARK ID	81044	Product brief URL	<a href="http://www.intel.com/content/www/us/en/solid-state-drives/ssd-pro-2500-series-brief.html">http://www.intel.com/content/www/us/en/solid-state-drives/ssd-pro-2500-series-brief.html</a>
Certification	UL, CE, C-Tick, BSMI, KCC, VCCI, SATA-I/O, Microsoft WHCK	Product name	Intel SSD Pro 2500 Series (180GB, M.2 80mm SATA 6Gb/s, 20nm, MLC)
<b>Power</b>		Random write (8GB span)	80000 IOPS
Power consumption (read)	0.140 W	SSD hardware encryption	AES 256 bit
Power consumption (idle)	0.015 W	SSD power consumption (active)	140mW
<b>Brand-specific features</b>		SSD power consumption (idle)	55mW
Intel High Endurance Technology (HET)	✗	SSD shock	1000 G/0.5 ms
Intel Stable Image Platform Program (SIPP)	✓	SSD weight	up to 10 grams
Intel® Rapid Start Technology	✓	Sequential reading	540 MB/s
		Sequential writing speed	490 MB/s
		Status	Launched
		Random read (8GB span)	45000 IOPS
		Product family	Professional SSD
		Product series	Intel Pro 2500
		Product codename	Temple Star

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