

Intel SSDSCKJF180H601 internal solid state drive M.2 180 GB Serial ATA III MLC



Brand : Intel

Product code: SSDSCKJF180H601

Product name : SSDSCKJF180H601

SSD Pro 2500 Series (180GB, M.2 80mm SATA 6Gb/s, 16nm, MLC)

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In today's demanding business environment, there is a growing need for reliable, high-speed storage partnered with manageable, robust security. The Intel® SSD Pro 2500 Series is designed to meet business needs by enabling blazing fast performance and simultaneously upgrading a system's security and manageability profile. The Intel SSD Pro 2500 Series is available in capacities ranging from 120 GB to 480 GB in thin 2.5-inch and ultra-sleek M.2 form factors.

Intel SSDSCKJF180H601. 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		Operational conditions	
Security algorithms	256-bit AES	Operating temperature (T-T)	0 - 70 °C
SSD form factor *	M.2	Maximum operating temperature	70 °C
SSD capacity *	180 GB	Operating vibration	2.17 G
Interface *	Serial ATA III	Non-operating vibration	3.13 G
Memory type *	MLC	Operating shock	1000 G
Hardware encryption *	✓	Non-operating shock	1000 G
Data transfer rate	6 Gbit/s	Operating / non-operating shock	1000 G/0.5 ms
Read speed	540 MB/s	Technical details	
Write speed	490 MB/s	Sustainability certificates	RoHS
Random read (4KB)	41000 IOPS	Weight & dimensions	
Random write (4KB)	80000 IOPS	Weight	10 g
Read latency	80 µs	Logistics data	
Write latency	85 µs	Harmonized System (HS) code	8471706000
Lithography	20 nm	Other features	
S.M.A.R.T. support	✓	Internal	✓
End-to-End Data Protection	✓	Processor lithography	16 nm
Enhanced Power Loss Data Protection technology	✗	Born on date	Q2'15
SSD temperature monitoring	✗	Drive capacity	180 GB
Temperature monitoring and logging	✗	Launch date	Q2'15
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-pro-2500-series-brief.html
Mean time between failures (MTBF)	1200000 h	Product name	Intel SSD Pro 2500 Series (180GB, M.2 80mm SATA 6Gb/s, 16nm, MLC)
Market segment	Mobile	Random write (8GB span)	80000 IOPS
SSD usage tag	Professional	SSD hardware encryption	AES 256 bit
SSD ARK ID	86724	SSD power consumption (active)	140mW
Power		SSD power consumption (idle)	55mW
Operating voltage	3.3 V	SSD shock	1000 G/0.5 ms
Power consumption (idle)	0.055 W	SSD weight	up to 10 grams
Brand-specific features		Sequential reading	540 MB/s
Intel High Endurance Technology (HET)	✗	Sequential writing speed	490 MB/s
Intel® Rapid Start Technology	✓	Status	Launched
Intel® Remote Secure Erase	✓	Random read (8GB span)	41000 IOPS
Intel® Smart Response Technology	✓	Last change	63903513
Intel Smart Response Technology version	1.00	Intel Rapid Start Technology version	1.00
		Remote Secure Erase (RSE) technology version	1.00
		Product family	Professional SSD
		Product series	Intel Pro 2500
		Product codename	Temple Star

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