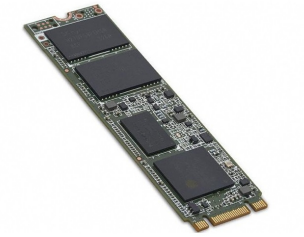
Intel 540s M.2 1 TB Serial ATA III TLC

Brand : Intel

Product code: SSDSCKKW010X6X1

Product name : 540s



SSD 540s Series (1.0TB, M.2 80mm SATA 6Gb/s, 16nm, TLC)

Intel 540s M.2 1 TB Serial ATA III TLC:

Expect More. Do More.
Accelerate your productivity with fast performance. Trust your storage with extreme reliability. Charge your device less often with power-efficient performance. Intel® SSDs deliver more through a combination of performance, Intel quality and reliability, and power efficiency to optimize your experience across a variety of computing devices. Do away with the lag time and moving parts of a traditional hard drive and switch to an Intel® SSD.
Intel 540s. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 560 MB/s, Write speed: 480 MB/s

Features	
Security algorithms	256-bit AES
SSD form factor *	M.2
SSD capacity *	1 TB
Interface *	Serial ATA III
Memory type *	TLC
Read speed	560 MB/s
Write speed	480 MB/s
Read latency	50 µs
Write latency	50 µs
Lithography	16 nm
End-to-End Data Protection	✗
Enhanced Power Loss Data Protection technology	✗
SSD temperature monitoring	✗
Uncorrectable Bit Error Rate (UBER)	< 1 per 10^16 bits read
Mean time between failures (MTBF)	1600000 h
Market segment	Mobile
SSD usage tag	Consumer
SSD ARK ID	94421

Power	
Operating voltage	3.3 V

Brand-specific features	
Intel High Endurance Technology (HET)	✗
Intel® Rapid Start Technology	✓
Intel® Smart Response Technology	✓
Intel Smart Response Technology version	1.00

Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Storage temperature (T-T)	-55 - 95 °C

Operational conditions	
Operating relative humidity (H-H)	5 - 95%
Storage relative humidity (H-H)	5 - 95%
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1000 G
Non-operating shock	1000 G

Weight & dimensions	
Width	22 mm
Depth	80 mm
Height	2.23 mm

Logistics data	
Harmonized System (HS) code	84717070

Other features	
Product colour	Black, Green
Internal	✓
Drive capacity	1 TB
Launch date	Q1'16
Random write (8GB span)	85000 IOPS
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	80 mW Typical
SSD power consumption (idle)	40 mW Typical
SSD shock	1000 G/0.5 ms
Sequential reading	560 MB/s
Sequential writing speed	480 MB/s
Status	Launched
Random read (8GB span)	78000 IOPS
Last change	63903513
Intel Rapid Start Technology version	1.00
Product family	Consumer SSD
Product series	Intel® SSD 540s Series
Product codename	Loyd Star

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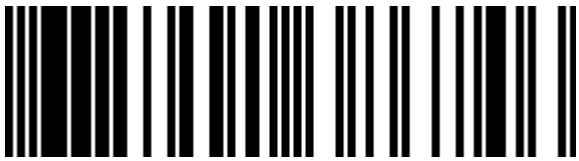

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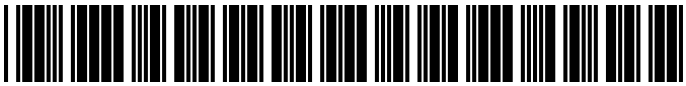

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