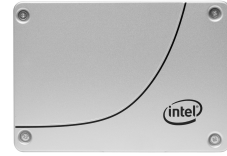


D3 S4510 2.5" 7.68 TB Serial ATA III TLC 3D NAND

Brand : Intel

Product family: D3

Product code:
SSDSC2KB076T801



Product name : ® SSD D3-S4510 Series (7.68TB, 2.5in SATA 6Gb/s, 3D2, TLC)

Intel® SSD D3-S4510 Series (7.68TB, 2.5in SATA 6Gb/s, 3D2, TLC) Generic Single Pack
D3 S4510. SSD capacity: 7.68 TB, SSD form factor: 2.5", Read speed: 550 MB/s, Write speed: 510 MB/s, Component for: Server/workstation

Features		Power	
Security algorithms	256-bit AES	Power consumption (idle)	1.7 W
SSD form factor *	2.5"	Brand-specific features	
SSD capacity *	7.68 TB	Intel High Endurance Technology (HET)	✗
Interface *	Serial ATA III	Intel® Rapid Start Technology	✗
Memory type *	TLC 3D NAND	Intel® Remote Secure Erase	✗
NVMe *	✗	Intel® Smart Response Technology	✗
Component for *	Server/workstation	Operational conditions	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Read speed	550 MB/s	Maximum operating temperature	70 °C
Write speed	510 MB/s	Operating vibration	2.17 G
Random read (4KB)	89500 IOPS	Non-operating vibration	3.13 G
Random write (4KB)	21000 IOPS	Operating / non-operating shock	1000 G/0.5 msec
Random read (100% span)	89500 IOPS	Weight & dimensions	
Random write (100% span)	21000 IOPS	Width	63.5 mm
Read latency	35 µs	Depth	7 mm
Write latency	40 µs	Logistics data	
End-to-End Data Protection	✓	Harmonized System (HS) code	84717070
Enhanced Power Loss Data Protection technology	✓	Other features	
SSD temperature monitoring	✓	Power consumption (active)	4.6 W
Temperature monitoring and logging	✓	Launch date	Q4'19
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD endurance rating	12.3 PBW
Mean time between failures (MTBF)	2000000 h	SSD power consumption (idle)	1.7W
SSD ARK ID	134914	SSD shock	1000 G/0.5 msec
Export Control Classification Number (ECCN)	5A992C	Sequential reading	550 MB/s
Commodity Classification Automated Tracking System (CCATS)	G162706	Sequential writing speed	510 MB/s
Power		Status	Launched
Power consumption (read)	4.6 W	Processor family	Intel SSD D3
Power consumption (write)	4.6 W	Product series	Intel® SSD D3-S4510 Series
		Product codename	Youngsville Refresh



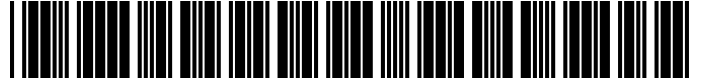
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