



Lenovo S4520 3.5" 480 GB Serial ATA III 3D TLC NAND

Brand : Lenovo

Product code: 4XB7A17119

Product name : S4520



ThinkSystem 3.5" S4520 480GB Read Intensive SATA 6Gb HS SSD

Lenovo S4520 3.5" 480 GB Serial ATA III 3D TLC NAND:

The ThinkSystem S4520 Read Intensive SATA SSDs are advanced 6Gb SATA solid-state drives that use 144-layer Intel 3D NAND TLC Flash Memory technology to provide an affordable solution with industry leading performance.

This product guide provides essential presales information to understand the S4520 SSDs, their key features and specifications, components and options, and configuration guidelines. This guide is intended for technical specialists, sales specialists, sales engineers, IT architects, and other IT professionals who want to learn more about S4520 SSDs and consider their use in IT solutions. Lenovo S4520. SSD capacity: 480 GB, SSD form factor: 3.5", Data transfer rate: 6 Gbit/s, Component for: Server/workstation

Features		Features	
SSD form factor *	3.5"	Certification	FCC Title 47, Part 15B, Class B EN-55035:2017 EN-55022:2006 EN-55032:2012 Low Voltage Directive (LVD) 2014/35/EU EMC Directive 2014/30/EU RoHS Directive 2011/65/EU WEEE Directive 2012/19/EU UL 60950-1, 2nd Edition, 2014-10-14 CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-010 UL/CSA 62368-1, 2nd Edition AS/NZ CISPR 32:2015 AS/NZ CISPR 22:2009 +A1:2010 Taiwan BSMI EMC standard CNS 13438 Korea KCC Article 11.1 Morocco Decree # 2574-14 (EMC) Canada ICES-003 Japan VCCI China EFUP
SSD capacity *	480 GB		
Interface *	Serial ATA III		
Memory type *	3D TLC NAND		
Component for *	Server/workstation		
Data transfer rate	6 Gbit/s		
Random read (4KB)	79000 IOPS		
Random write (4KB)	30000 IOPS		
Random latency - read (up to)	102 μs		
Random latency - write (up to)	48 μs		
Sequential latency - read (up to)	36 μs		
Sequential latency - write (up to)	36 μs		
Uncorrectable Bit Error Rate (UBER)	< 1 per 10^17 bits read		
Mean time between failures (MTBF)	2000000 h		
Drive writes per day (DWPD)	2.8		
		Power	
		Power consumption (write)	3 W
		Operational conditions	
		Operating temperature (T-T)	0 - 70 °C
		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	257 mm
		Depth	193 mm
		Height	95 mm
		Weight	484 g
		Other features	
		Endurance rating	2.5 PB



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