



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

**Brand :** Lenovo

**Product code:** 4XB7A17119

**Product name :** S4520



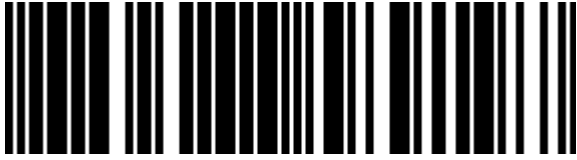
ThinkSystem 3.5" S4520 480GB Read Intensive SATA 6Gb HS SSD

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



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