



Lenovo 4XB7A90049 internal solid state drive 480 GB M.2 Serial ATA III 3D TLC NAND



Brand : Lenovo

Product code: 4XB7A90049

Product name : 4XB7A90049

ThinkSystem M.2 ER3 480GB Read Intensive SATA 6Gb NHS

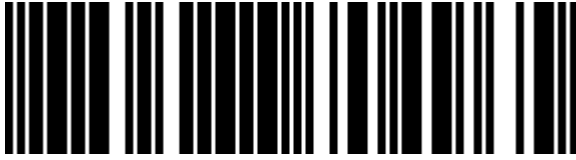
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The ThinkSystem ER3 Read Intensive SATA 6Gb SSDs, in capacities up to 960GB, are 6Gb SATA drives, available in M.2 form factor. They are suitable for general data storage functions and operating system boot purposes on ThinkSystem servers.

This product guide provides essential presales information to understand the ER3 SSDs and their key features, specifications, and compatibility. This guide is intended for technical specialists, sales specialists, sales engineers, IT architects, and other IT professionals who want to learn more about the ER3 SSDs and consider their use in IT solutions.

Lenovo 4XB7A90049. SSD capacity: 480 GB, SSD form factor: M.2, Read speed: 520 MB/s, Write speed: 520 MB/s, Data transfer rate: 6 Gbit/s, Component for: Server/workstation

Features		Features	
SSD capacity *	480 GB	Native Command Queuing (NCQ)	✓
SSD form factor *	M.2	Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read
Interface *	Serial ATA III	Mean time between failures (MTBF)	2000000 h
NVMe *	✗	Drive writes per day (DWPD)	1
Memory type *	3D TLC NAND	Certification	CE UL BSMI RoHS
Component for *	Server/workstation	Power	
Hardware encryption *	✓	Power consumption (read)	3.5 W
M.2 SSD size	2280 (22 x 80 mm)	Power consumption (write)	3.8 W
Data transfer rate	6 Gbit/s	Weight & dimensions	
Read speed	520 MB/s	Width	22 mm
Write speed	520 MB/s	Depth	80 mm
Random read (4KB)	90000 IOPS	Height	3.65 mm
Random write (4KB)	15000 IOPS	Weight	10 g
Random latency - read (up to)	120 µs	Operational conditions	
Random latency - write (up to)	70 µs	Operating temperature (T-T)	0 - 70 °C
S.M.A.R.T. support	✓	Storage temperature (T-T)	-40 - 85 °C
TRIM support	✓	Non-operating shock	1500 G
H/W PLP function	✓	Other features	
		Compliance certificates	RoHS



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