



# Lenovo 4XB7A80321 internal solid state drive 2.5" 7.68 TB SAS V-NAND TLC



**Brand :** Lenovo

**Product code:** 4XB7A80321

**Product name :** 4XB7A80321

ThinkSystem 2.5" PM1653 7.68TB Read Intensive SAS 24Gb HS

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The ThinkSystem PM1653 Read Intensive SAS 24Gb SSDs, in capacities of up to 30.72 TB, are next-generation high-performance 24Gb SAS self-encrypting SSDs (SEDs) suitable for a wide range of applications of running on ThinkSystem servers.



This product guide provides essential presales information to understand the PM1653 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 PM1653 SSDs and consider their use in IT solutions.

Lenovo 4XB7A80321. SSD capacity: 7.68 TB, SSD form factor: 2.5", Data transfer rate: 24 Gbit/s, Component for: Server/workstation

Features		Features	
SSD form factor *	2.5"	Certification	UL TUV FCC IC CB CE Mark C-Tick
SSD capacity *	7.68 TB		Mark BSMI (Taiwan) KCC (Korea EMI) VCCI
Interface *	SAS	<b>Power</b>	
Memory type *	V-NAND TLC	Power consumption (read)	11.5 W
NVMe *	✗	Power consumption (write)	14.7 W
Component for *	Server/workstation	<b>Operational conditions</b>	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Data transfer rate	24 Gbit/s	Storage temperature (T-T)	-40 - 85 °C
Random read (4KB)	420000 IOPS	Operating relative humidity (H-H)	5 - 95%
Random write (4KB)	110000 IOPS	Non-operating vibration	20 G
Random latency - read (up to)	120 µs	Non-operating shock	1500 G
Random latency - write (up to)	45 µs	Maximum operating altitude	4572 m
S.M.A.R.T. support	✓	<b>Technical details</b>	
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Sustainability certificates	RoHS
Mean time between failures (MTBF)	2000000 h	<b>Weight &amp; dimensions</b>	
		Width	70 mm
		Depth	100 mm
		Height	15 mm
		Weight	160 g



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