



Lenovo 4XB7A10231 internal solid state drive 2.5" 1.6 TB SAS TLC 3D NAND



Brand : Lenovo

Product code: 4XB7A10231

Product name : 4XB7A10231

2.5" SS530 1.6TB Performance SAS 12Gb Hot Swap

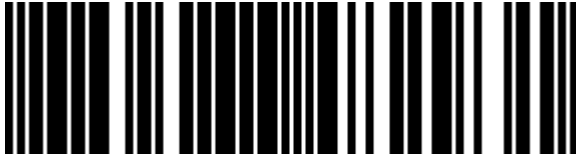
[Lenovo 4XB7A10231 internal solid state drive 2.5" 1.6 TB SAS TLC 3D NAND:](#)

The ThinkSystem SS530 Performance SAS 12Gb SSDs use second generation 3D TLC NAND flash memory technology with a 12 Gb SAS interface to provide a high-performance storage solution. These drives offer high endurance supporting up to 10 full drive writes per day (10 DWPD) over 5 years meaning they are ideal for write-intensive applications.

This product guide provides essential presales information to understand the SS530 12 Gb SAS SSD offerings 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 SSDs and consider their use in IT solutions.

Lenovo 4XB7A10231. SSD capacity: 1.6 TB, SSD form factor: 2.5", Data transfer rate: 12 Gbit/s, Component for: Server/workstation

Features		Features	
Security algorithms	256-bit AES	Certification	FCC Title 47, Part 15B, Class B CA/CSA-CEI/IEC CISPR 22:02 EN 55024: 1998 EN 55022: 2006 EN-60950-1 2nd Edition UL/CSA EN-60950-1 2nd Edition Low Voltage Directive 2006/95/EC C- Tick: AS/NZS3584 VCCI V-3/2013-04 Class B CNS 13438: 2006 KCC Article 11.1 RoHS DIRECTIVE 2011/65/EU REACH 1907/2006 WEEE Directive 2002/96/EC
SSD form factor *	2.5"		
SSD capacity *	1.6 TB		
Interface *	SAS		
Memory type *	TLC 3D NAND		
NVMe *	✗		
Component for *	Server/workstation		
Hardware encryption *	✗		
Data transfer rate	12 Gbit/s		
Random read (4KB)	239700 IOPS		
Random write (4KB)	170400 IOPS		
Random latency - read (up to)	92 µs		
Random latency - write (up to)	26 µs		
S.M.A.R.T. support	✓		
ECC	✓		
Hot-swap	✓		
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read		
Mean time between failures (MTBF)	2500000 h		
Operational conditions		Operational conditions	Operating temperature (T-T) 0 - 75 °C Storage temperature (T-T) -40 - 85 °C Operating relative humidity (H-H) 5 - 95% Operating vibration 3.1 G Operating shock 1500 G Maximum non-operating altitude 3050 m
Operating temperature (T-T)	0 - 75 °C		
Storage temperature (T-T)	-40 - 85 °C		
Operating relative humidity (H-H)	5 - 95%		
Operating vibration	3.1 G		
Operating shock	1500 G		
Maximum non-operating altitude	3050 m		
Weight & dimensions		Weight & dimensions	Width 70 mm Depth 100 mm Height 15 mm Weight 175 g
Width	70 mm		
Depth	100 mm		
Height	15 mm		
Weight	175 g		
Other features		Other features	Endurance rating 29.41 PB
Endurance rating	29.41 PB		



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