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4XB7A80318 – Lenovo ThinkSystem 2.5" PM1653 960GB RI SAS 24Gb HS SSD

LENOVO · STORAGE_SSD · 2.5_SAS_SSD

PRODUCT OVERVIEW

4XB7A80318: Lenovo ThinkSystem 2.5" PM1653 960GB RI SAS 24Gb HS SSD.

Unlike 6 Gb/s SATA drives, the 24 Gb/s SAS interface on these drives supports full duplex data transfer for higher performance, and enterprise-level error recovery for better availability. By combining the enhanced reliability of Samsung NAND flash memory silicon with NAND Flash management technologies, PM1653 SSDs deliver endurance of up to 1 drive writes per day (DWPD) for 5 years, which is suitable for many enterprise applications with read-intensive storage characteristics. Self-encrypting drives (SEDs) provide benefits by encrypting data on-the-fly at the drive level with no performance impact, by providing instant secure erasure thereby making the data no longer readable, and by enabling auto-locking to secure active data if a drive is misplaced or stolen from a system while in use.

These features are essential for many businesses, especially those storing customer data.

WHERE IT FITS



SPECIFICATIONS

Depth	100 mm
Width	70 mm
Height	15 mm
Weight	160 g
Interface	SAS
Memory type	V-NAND TLC
Read latency	120 µs
SSD capacity	960 GB
Certification	UL TUV FCC IC CB CE Mark C-Tick Mark BSMI (Taiwan) KCC (Korea EMI) VCCI

Component for	Server/workstation
Write latency	45 µs
SSD form factor	2.5"

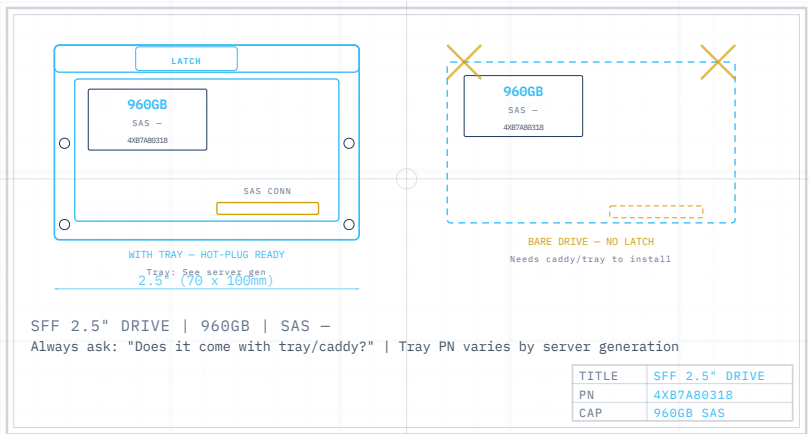
MORE FROM LENOVO

Popular Lenovo machine pages — browsing only, not a fit claim for 4XB7A80318.

- ThinkSystem SR650 V1
- ThinkSystem SR650 V2
- ThinkSystem SR630 V1
- ThinkSystem SR630 V2
- System x3650 M5
- System x3550 M5
- ThinkServer RD550
- System x IBM System x3650 M4
- ThinkServer RD650
- SD530
- System x3500 M4
- ThinkServer RD350

[All Lenovo machines and parts](#)

COMPONENT DIAGRAM



KEY FEATURES

- SFF Form Factor
- 960GB Capacity

TYPICAL APPLICATIONS

- Enterprise storage arrays and SANs
- Direct-attached storage (DAS) expansion
- Database tier storage (OLTP, OLAP)
- Virtual machine datastore expansion
- Backup-to-disk and disaster recovery targets
- Content delivery and media streaming storage

SUBSTITUTES & CROSS-REFERENCES 1

03GX667 Compatible PARTNER

LIFECYCLE

No lifecycle data available.

IBM 960Gb SAS 24G SFF Samsung PM1653 Read-Intensive SSD for ThinkSystem - FRU compatible

THIS PART SUBSTITUTES FOR

1

03GX667

SUBSTITUTE

IBM 960Gb SAS 24G SFF Samsung PM1653 Read-Intensive SSD for ThinkSystem - Option LENOVO

FREQUENTLY ASKED QUESTIONS

What is 4XB7A80318?

4XB7A80318 is a Lenovo ThinkSystem 2.5" PM1653 960GB RI SAS 24Gb HS SSD manufactured by LENOVO. It is classified as a STORAGE_SSD (2.5_SAS_SSD).

What parts can replace 4XB7A80318?

There is 1 known substitute for 4XB7A80318: 03GX667. Substitute compatibility should be verified for your specific system.

✓ PartsTable — the parts reference. Every fact cited to its source.


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PartsTable commercial catalog: edition Unified commercial catalog snapshot through 2026-09-28, edition date not on file, retrieved 2026-09-28.