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42D0678 – Storage Datasheet

IBM · STORAGE_HDD · 2.5_SAS_HDD

WHAT YOU NEED TO KNOW

SAS HDD backplane accepts SATA drives, SATA backplane does NOT accept SAS 2.5" SAS HDDs come with or without carrier/tray — ALWAYS ASK

⚠ ALWAYS confirm carrier/tray PN — server-specific trays vary by generation

PRODUCT OVERVIEW

IBM 146GB 2.5in SFF Slim-HS 15K 6Gbps SAS HDD. Key specifications include Type: HDD, HDD size: 2.5", HDD speed: 15000 RPM, Interface: SAS, HDD capacity: 146 GB, Operating voltage: 5 V. The unit ships in a SFF form factor suitable for standard rack-mount installations.

Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels. Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS



SPECIFICATIONS

Type	HDD
HDD size	2.5"
HDD speed	15000 RPM
Interface	SAS
HDD capacity	146 GB
Operating voltage	5 V
Quantity per pack	1 pc(s)

FITS THESE MACHINES

[Lenovo System x x3500 M3](#)

[Lenovo System x x3550 M3](#)

[Lenovo System x x3650 M3](#)

[Lenovo System x x3690 X5](#)

[Lenovo System x3200 M3](#)

[Lenovo System x3250 M3](#)

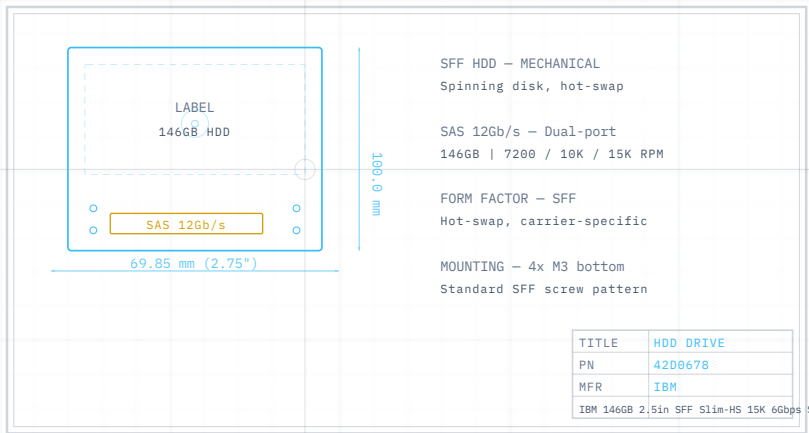
[Lenovo System x3300 M4](#)

[Lenovo System x3400 M3](#)

[Lenovo System x3630 M3](#)

[Lenovo System x3850 X5](#)

COMPONENT DIAGRAM



KEY FEATURES

- SFF Form Factor
- 146GB Capacity
- 15K RPM Speed

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 11

42D0677
Substitute
BROKER-VERIFIED
 IBM 146GB 2.5in SFF Slim-HS 15K 6Gbps SAS HDD
 substitute

42D0681
Substitute
BROKER-VERIFIED
 IBM 146GB 2.5in SFF Slim-HS 15K 6Gbps SAS HDD
 substitute

00FN457
Compatible
PARTNER
 IBM 146GB SAS 6G 15k SFF Slim-HS HDD - Fru
 compatible

41Y8482
Compatible
PARTNER
 IBM 146GB SAS 6G 15k SFF Slim-HS HDD - P/n
 compatible

42D0679
Compatible
PARTNER
 IBM 146GB SAS 6G 15k SFF Slim-HS HDD - Sbb
 compatible

44W2201
Compatible
PARTNER
 IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - Option
 compatible

LIFECYCLE

No lifecycle data available.

THIS PART SUBSTITUTES FOR 6

00FN457
SUBSTITUTE
 IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - FRU
 IBM

41Y8482
SUBSTITUTE
 IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - FRU
 IBM

42D0677
SUBSTITUTE
 IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - FRU
 IBM

42D0679
SUBSTITUTE
 IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - FRU
 IBM

42D0681
SUBSTITUTE
 IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - FRU
 IBM

44W2201 SUBSTITUTE

IBM 146Gb SAS 6G 15K SFF Slim-HS HDD - FRU
IBM

FREQUENTLY ASKED QUESTIONS

What is 42D0678?

42D0678 is a IBM 146GB 2.5in SFF Slim-HS 15K 6Gbps SAS HDD manufactured by IBM. It is classified as a STORAGE_HDD (2.5_SAS_HDD).

What parts can replace 42D0678?

There are 11 known substitutes for 42D0678: 42D0677, 42D0681, 00FN457 and 8 more. Substitute compatibility should be verified for your specific system.

Is 42D0678 still available?

42D0678 is currently Unknown.

✓ 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.