



Lenovo ThinkSystem HDD Summary

Reference Information

Overview

Lenovo offers a broad range of hard disk drives (HDD) ranging from entry-level drives to industry leading capacity and high-RPM offerings. Lenovo HDDs are optimized to deliver maximum performance on Lenovo ThinkSystem servers and all HDDs undergo stringent compatibility and reliability testing to ensure best performance in 24x7 operational environments.

Lenovo HDDs are available with a variety of features:

- 3.5-inch or 2.5-inch form factors
- Hot-swap, simple-swap or non-hot-swap trays
- 12 Gbps or 6 Gbps interface speeds
- SAS, NL SAS or NL SATA protocols
- 15K, 10K or 7200 RPM rotational speeds
- Self-encrypting drives (SEDs)
- Capacities up to 18TB

Lenovo HDDs provide outstanding performance, high capacity and reliability.

- Outstanding performance for all mission critical applications
Enterprise HDDs with enhanced sequential and random read/write performance, designed for critical business applications
- Offering highest capacity HDDs from industry leaders
Lenovo offers a wide range of HDDs from storage industry leaders to ensure the best technology and highest capacity points are available to our customers
- Excellent reliability and performance in 24x7 operational environments
Lenovo uses comprehensive validation and quality control measures to ensure best reliability and performance for all application workloads under 24x7 operation
- Protect data with Self-Encrypting drives
Lenovo offers Self-encrypting drives to protect customer data against loss or theft as well as secure drive retirement, disposal, or repurposing
- Helium-filled drive assemblies for drives 12TB and larger
Helium provides a more stable environment and less turbulence and resistance to the flying heads. This enables a larger number of platters which results in larger storage capacity. The use of Helium also results in lower power consumption compared to air-filled drives.

Workload limit: All 7200 RPM NL SAS and NL SATA drives have a workload limit of 550TB/year. 10K and 15K SAS drives do not have a workload limit.

The following tables list the HDDs available for ThinkSystem servers. They are grouped as follows:

- [2.5-inch Hot Swap drives](#)
- [3.5-inch Hot Swap drives](#)
- [Simple Swap drives](#)

2.5-inch Hot Swap drives

The following tables list the ThinkSystem servers that are compatible.

Table 1. 2.5-inch Hot Swap drives (Part 1 of 2)

Part Number	Description	E	1S Intel				2S Intel								AMD			
		SE350 (7Z46 / 7D1X)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y51 / 7Y52)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)
2.5-inch hot-swap HDDs - 12 Gb SAS 10K																		
7XB7A00024	ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7XB7A00025	ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7XB7A00026	ThinkSystem 2.5" 900GB 10K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N
7XB7A00027	ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7XB7A00028	ThinkSystem 2.5" 1.8TB 10K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00069	ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
2.5-inch hot-swap HDDs - 12 Gb SAS 15K																		
7XB7A00021	ThinkSystem 2.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00022	ThinkSystem 2.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00023	ThinkSystem 2.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
2.5-inch hot-swap HDDs - 12 Gb NL SAS																		
7XB7A00034	ThinkSystem 2.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00035	ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
2.5-inch hot-swap SED HDDs - 12 Gb SAS 10K																		
7XB7A00030	ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD SED	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N

Part Number	Description	E	1S Intel				2S Intel							AMD				
		SE350 (7Z46 / 7D1X)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y51 / 7Y52)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)
7XB7A00031	ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD SED	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00033	ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD SED	N	N	N	N	N	Y	N	N	N	N	Y	Y	N	N	N	Y	Y
7XB7A00070	ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	Y	Y
2.5-inch hot-swap SED HDDs - 12 Gb NL SAS																		
7XB7A00064	ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N
2.5-inch hot-swap HDDs - 6 Gb NL SATA																		
7XB7A00036	ThinkSystem 2.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7XB7A00037	ThinkSystem 2.5" 2TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 2. 2.5-inch Hot Swap drives (Part 2 of 2)

Part Number	Description	4S			8S	4S V2		Dense/Blade					
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	SR950 (7X11 / 7X12)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)		
2.5-inch hot-swap HDDs - 12 Gb SAS 10K													
7XB7A00024	ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00025	ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00026	ThinkSystem 2.5" 900GB 10K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	N	N	Y	N	Y	Y		
7XB7A00027	ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00028	ThinkSystem 2.5" 1.8TB 10K SAS 12Gb Hot Swap 512e HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00069	ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
2.5-inch hot-swap HDDs - 12 Gb SAS 15K													
7XB7A00021	ThinkSystem 2.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00022	ThinkSystem 2.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00023	ThinkSystem 2.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
2.5-inch hot-swap HDDs - 12 Gb NL SAS													
7XB7A00034	ThinkSystem 2.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00035	ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
2.5-inch hot-swap SED HDDs - 12 Gb SAS 10K													
7XB7A00030	ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD SED	Y	Y	Y	Y	N	N	N	N	Y	Y		
7XB7A00031	ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD SED	Y	Y	Y	Y	Y	Y	N	N	Y	Y		
7XB7A00033	ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD SED	Y	Y	Y	Y	Y	Y	N	N	Y	Y		
7XB7A00070	ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	Y	Y	Y	N	N	N		
2.5-inch hot-swap SED HDDs - 12 Gb NL SAS													
7XB7A00064	ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	Y	N	N	N		
2.5-inch hot-swap HDDs - 6 Gb NL SATA													
7XB7A00036	ThinkSystem 2.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		
7XB7A00037	ThinkSystem 2.5" 2TB 7.2K SATA 6Gb Hot Swap 512e HDD	Y	Y	Y	Y	Y	Y	Y	N	Y	Y		

2.5-inch VLH drive offerings

The drives in the following table are available from Lenovo under the Vendor Logo Hardware (VLH) program.

Table 3. ThinkSystem server support

Description and part number	E	1S Intel				2S Intel								AMD				4S Intel				Dense/ Blade			
	SE350 (7Z46/7D1X)	ST50 (7Y48/7Y50)	ST250 (7Y45/7Y46)	SR150 (7Y54)	SR250 (7Y51/7Y52)	ST550 (7X09/7X10)	SR530 (7X07/7X08)	SR550 (7X03/7X04)	SR570 (7Y02/7Y03)	SR590 (7X98/7X99)	SR630 (7X01/7X02)	SR650 (7X05/7X06)	SR670 (7Y36/37/38)	SR635 (7Y98/7Y99)	SR655 (7Y00/7Z01)	SR645 (7D2Y/7D2X)	SR665 (7D2W/7D2V)	SR850 (7X18/7X19)	SR850P (7D2F/2D2G)	SR860 (7X69/7X70)	SR950 (7X11/12/13)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
300G 15K SED SAS HDD (Seagate ST300MP0016), 4HD7A64418	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
600G 15K SED SAS HDD (Seagate ST600MP0016), 4HD7A64111	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N

3.5-inch Hot Swap drives

The 3.5-inch drives are grouped into [12Gb SAS drives](#) and [6Gb SATA drives](#).

3.5-inch 12Gb SAS HDDs

The following tables list the ThinkSystem servers that are compatible.

Table 4. 3.5-inch 12Gb SAS HDDs (Part 1 of 2)

Part Number	Description	E	1S Intel				2S Intel								AMD			
		SE350 (7Z46 / 7D1X)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y51 / 7Y52)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)
3.5-inch hot-swap HDDs - 12 Gb SAS 10K																		
7XB7A00063	ThinkSystem 3.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N
3.5-inch hot-swap HDDs - 12 Gb SAS 15K																		
7XB7A00038	ThinkSystem 3.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y
7XB7A00039	ThinkSystem 3.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00040	ThinkSystem 3.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	N	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
3.5-inch hot-swap HDDs - 12 Gb NL SAS																		
7XB7A00041	ThinkSystem 3.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N
7XB7A00042	ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00043	ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00044	ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00045	ThinkSystem 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
4XB7A17222	ThinkSystem SR635 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
7XB7A00046	ThinkSystem 3.5" 10TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00067	ThinkSystem 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
4XB7A17223	ThinkSystem SR635 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
4XB7A13906	ThinkSystem 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y

Part Number	Description	E	1S Intel				2S Intel								AMD			
		SE350 (7Z46 / 7D1X)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y51 / 7Y52)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)
4XB7A17224	ThinkSystem SR635 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
4XB7A13911	ThinkSystem 3.5" 16TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
4XB7A38266	ThinkSystem 3.5" 18TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
3.5-inch hot-swap SED HDDs - 12 Gb NL SAS																		
7XB7A00065	ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N
7XB7A00047	ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD FIPS	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N
7XB7A00048	ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N	Y	Y	N	Y	Y	N	N
7XB7A00066	ThinkSystem 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	Y	Y

Table 5. 3.5-inch 12Gb SAS HDDs (Part 2 of 2)

Part Number	Description	4S			8S	4S V2		Dense/Blade			
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	SR950 (7X11 / 7X12)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)
3.5-inch hot-swap HDDs - 12 Gb SAS 10K											
7XB7A00063	ThinkSystem 3.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N
3.5-inch hot-swap HDDs - 12 Gb SAS 15K											
7XB7A00038	ThinkSystem 3.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00039	ThinkSystem 3.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00040	ThinkSystem 3.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
3.5-inch hot-swap HDDs - 12 Gb NL SAS											
7XB7A00041	ThinkSystem 3.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00042	ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00043	ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00044	ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00045	ThinkSystem 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
4XB7A17222	ThinkSystem SR635 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00046	ThinkSystem 3.5" 10TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
7XB7A00067	ThinkSystem 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
4XB7A17223	ThinkSystem SR635 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
4XB7A13906	ThinkSystem 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
4XB7A17224	ThinkSystem SR635 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e	N	N	N	N	N	N	N	N	N	N
4XB7A13911	ThinkSystem 3.5" 16TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
4XB7A38266	ThinkSystem 3.5" 18TB 7.2K SAS 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N
3.5-inch hot-swap SED HDDs - 12 Gb NL SAS											
7XB7A00065	ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N
7XB7A00047	ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD FIPS	N	N	N	N	N	N	N	N	N	N
7XB7A00048	ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N
7XB7A00066	ThinkSystem 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS	N	N	N	N	N	N	N	N	N	N

3.5-inch 6Gb SATA HDDs

The following tables list the ThinkSystem servers that are compatible.

Table 6. 3.5-inch 6Gb SATA HDDs (Part 1 of 2)

Part Number	Description	E	1S Intel				2S Intel								AMD			
		SE350 (7Z46 / 7D1X)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y51 / 7Y52)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)
3.5-inch hot-swap HDDs - 6 Gb NL SATA																		
7XB7A00049	ThinkSystem 3.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y
7XB7A00050	ThinkSystem 3.5" 2TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00051	ThinkSystem 3.5" 4TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00052	ThinkSystem 3.5" 6TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00053	ThinkSystem 3.5" 8TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
4XB7A17225	ThinkSystem SR635 3.5" 8TB 7.2K SATA 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
7XB7A00054	ThinkSystem 3.5" 10TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
7XB7A00068	ThinkSystem 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
4XB7A17226	ThinkSystem SR635 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
4XB7A38184	ThinkSystem SR635 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
4XB7A13907	ThinkSystem 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y
4XB7A13914	ThinkSystem 3.5" 16TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
4XB7A38130	ThinkSystem 3.5" 18TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y

Table 7. 3.5-inch 6Gb SATA HDDs (Part 2 of 2)

Part Number	Description	4S			8S	4S V2		Dense/Blade					
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	SR950 (7X11 / 7X12)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)		
3.5-inch hot-swap HDDs - 6 Gb NL SATA													
7XB7A00049	ThinkSystem 3.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00050	ThinkSystem 3.5" 2TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00051	ThinkSystem 3.5" 4TB 7.2K SATA 6Gb Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00052	ThinkSystem 3.5" 6TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00053	ThinkSystem 3.5" 8TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A17225	ThinkSystem SR635 3.5" 8TB 7.2K SATA 12Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00054	ThinkSystem 3.5" 10TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00068	ThinkSystem 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A17226	ThinkSystem SR635 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A38184	ThinkSystem SR635 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13907	ThinkSystem 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13914	ThinkSystem 3.5" 16TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A38130	ThinkSystem 3.5" 18TB 7.2K SATA 6Gb Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	

Simple Swap drives

The following tables list the ThinkSystem servers that are compatible.

Table 8. Simple Swap drives (Part 1 of 2)

Part Number	Description	E	1S Intel				2S Intel								AMD			
		SE350 (7Z46 / 7D1X)	ST50 (7Y48 / 7Y50)	ST250 (7Y45 / 7Y46)	SR150 (7Y54)	SR250 (7Y51 / 7Y52)	ST550 (7X09 / 7X10)	SR530 (7X07 / 7X08)	SR550 (7X03 / 7X04)	SR570 (7Y02 / 7Y03)	SR590 (7X98 / 7X99)	SR630 (7X01 / 7X02)	SR650 (7X05 / 7X06)	SR670 (7Y36 / 7Y37)	SR635 (7Y98 / 7Y99)	SR655 (7Y00 / 7Z01)	SR645 (7D2Y / 7D2X)	SR665 (7D2W / 7D2V)
3.5-inch simple-swap HDDs - 6 Gb NL SATA																		
7XB7A00055	ThinkSystem 1TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
7XB7A00056	ThinkSystem 2TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
7XB7A00057	ThinkSystem 4TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
7XB7A00058	ThinkSystem 6TB 7.2K 6Gbps SATA 3.5" Simple Swap 512e HDD	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
7XB7A00059	ThinkSystem 8TB 7.2K 6Gbps SATA 3.5" Simple Swap 512e HDD	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
7XB7A00060	ThinkSystem 3.5" 10TB 7.2K SATA 6Gb Simple Swap 512e HDD	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N	N	N	N	N
4XB7A13554	ThinkSystem ST50 3.5" 1TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4XB7A13555	ThinkSystem ST50 3.5" 2TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4XB7A13556	ThinkSystem ST50 3.5" 4TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4XB7A13557	ThinkSystem ST50 3.5" 6TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4XB7A13558	ThinkSystem ST50 3.5" 8TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Table 9. Simple Swap drives (Part 2 of 2)

Part Number	Description	4S			8S	4S V2		Dense/Blade					
		SR850 (7X18 / 7X19)	SR850P (7D2F / 2D2G)	SR860 (7X69 / 7X70)	SR950 (7X11 / 7X12)	SR850 V2 (7D31 / 7D32)	SR860 V2 (7Z59 / 7Z60)	SD530 (7X21)	SD650 (7X58)	SN550 (7X16)	SN850 (7X15)		
3.5-inch simple-swap HDDs - 6 Gb NL SATA													
7XB7A00055	ThinkSystem 1TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00056	ThinkSystem 2TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00057	ThinkSystem 4TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00058	ThinkSystem 6TB 7.2K 6Gbps SATA 3.5" Simple Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00059	ThinkSystem 8TB 7.2K 6Gbps SATA 3.5" Simple Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
7XB7A00060	ThinkSystem 3.5" 10TB 7.2K SATA 6Gb Simple Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13554	ThinkSystem ST50 3.5" 1TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13555	ThinkSystem ST50 3.5" 2TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13556	ThinkSystem ST50 3.5" 4TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13557	ThinkSystem ST50 3.5" 6TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	
4XB7A13558	ThinkSystem ST50 3.5" 8TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD	N	N	N	N	N	N	N	N	N	N	N	

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- [Drives](#)

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