

# Lenovo ThinkSystem HDD Reference

## 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 Enterprise 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   | Edge                |              | 1S Intel V2           |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     |                     | Dense V2            |                 |                 | 4S V2             | 8S              |                        |                        |                     |
|---|---|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|
|   |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |
| <b>2.5-inch hot-swap HDDs - 12 Gb SAS 10K</b> |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00024                                    | ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00025                                    | ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00026                                    | ThinkSystem 2.5" 900GB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | Y                   |
| 7XB7A00027                                    | ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00028                                    | ThinkSystem 2.5" 1.8TB 10K SAS 12Gb Hot Swap 512e HDD | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00069                                    | ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | N                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| <b>2.5-inch hot-swap HDDs - 12 Gb SAS 15K</b> |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00021                                    | ThinkSystem 2.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00022                                    | ThinkSystem 2.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |

| Part Number                                       | Description  | Edge                |              | 1S Intel V2           |                        |                        | 2S Intel V2            |                        |                        |                        | AMD                 |                     |                     |                     | Dense V2        |                 |                   | 4S V2           | 8S                     |                        |                     |
|---|--|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|
|   |  | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |
| 7XB7A00023  | ThinkSystem 2.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD      | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| <b>2.5-inch hot-swap HDDs - 12 Gb NL SAS</b>      |  |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00034  | ThinkSystem 2.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD       | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00035  | ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD       | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| <b>2.5-inch hot-swap SED HDDs - 12 Gb SAS 10K</b> |  |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00030  | ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD SED  | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | Y                   |
| 7XB7A00031  | ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD SED  | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | 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                      | Y                      | Y                      | N                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00070  | ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD FIPS | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | N                   |
| <b>2.5-inch hot-swap SED HDDs - 12 Gb NL SAS</b>  |  |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00064  | ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS  | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| <b>2.5-inch hot-swap HDDs - 6 Gb NL SATA</b>      |  |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00036  | ThinkSystem 2.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD       | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |
| 7XB7A00037  | ThinkSystem 2.5" 2TB 7.2K SATA 6Gb Hot Swap 512e HDD       | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | Y               | Y                      | Y                      | Y                   |

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

| Part Number                                       | Description  | 1S Intel V1        |                     |              | 2S Intel V1         |                     |                     |                     |                     |                     |                     | Dense V1            |                     |              | 4S V1        |              |              |                     |                      |
|---|--|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|
|   |  | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) |
| <b>2.5-inch hot-swap HDDs - 12 Gb SAS 10K</b>     |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00024  | ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00025  | ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00026  | ThinkSystem 2.5" 900GB 10K SAS 12Gb Hot Swap 512n HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00027  | ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00028  | ThinkSystem 2.5" 1.8TB 10K SAS 12Gb Hot Swap 512e HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00069  | ThinkSystem 2.5" 2.4TB 10K SAS 12Gb Hot Swap 512e HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| <b>2.5-inch hot-swap HDDs - 12 Gb SAS 15K</b>     |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00021  | ThinkSystem 2.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00022  | ThinkSystem 2.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00023  | ThinkSystem 2.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD      | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| <b>2.5-inch hot-swap HDDs - 12 Gb NL SAS</b>      |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00034  | ThinkSystem 2.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD       | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00035  | ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD       | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| <b>2.5-inch hot-swap SED HDDs - 12 Gb SAS 10K</b> |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00030  | ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD SED  | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00031  | ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD SED  | N                  | N                   | N            | N                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00033  | ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD SED  | N                  | N                   | N            | N                   | Y                   | N                   | N                   | N                   | N                   | Y                   | Y                   | N                   | N            | N            | Y            | Y            | 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                   | Y                   | Y                   | N                   | Y            | N            | N            | N            | N                   | N                    |
| <b>2.5-inch hot-swap SED HDDs - 12 Gb NL SAS</b>  |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00064  | ThinkSystem 2.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS  | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | Y                   | Y                   | N                   | Y            | N            | N            | N            | N                   | N                    |

| Part Number                                  | Description  | 1S Intel V1        |                     |              | 2S Intel V1         |                     |                     |                     |                     |                     |                     | Dense V1            |                     |              | 4S V1        |              |              |                     |                      |
|--|--|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|
|  |  | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) |
| <b>2.5-inch hot-swap HDDs - 6 Gb NL SATA</b> |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00036                                   | ThinkSystem 2.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N            | Y            | Y            | Y            | Y                   | Y                    |
| 7XB7A00037                                   | ThinkSystem 2.5" 2TB 7.2K SATA 6Gb Hot Swap 512e HDD | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N            | Y            | Y            | Y            | 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                 | Y                 | Y                 | N                 | 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                 | Y                 | Y                 | N                 | 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 two groups:

- [3.5-inch 12Gb SAS HDDs](#)
- [3.5-inch 6Gb SATA HDDs](#)

### 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   | Edge                |              | 1S Intel V2           |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     | Dense V2            |                     |                 | 4S V2           | 8S                |                 |                        |                        |                     |
|---|---|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|
|   |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |
| <b>3.5-inch hot-swap HDDs - 12 Gb SAS 10K</b> |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00063                                    | ThinkSystem 3.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A77004                                    | ThinkSystem 3.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| <b>3.5-inch hot-swap HDDs - 12 Gb SAS 15K</b> |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00038                                    | ThinkSystem 3.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 7XB7A00039                                    | ThinkSystem 3.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 7XB7A00040                                    | ThinkSystem 3.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| <b>3.5-inch hot-swap HDDs - 12 Gb NL SAS</b>  |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00041                                    | ThinkSystem 3.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD  | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | 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                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 7XB7A00043                                    | ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD  | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |

| Part Number | Description   | Edge                |              | 1S Intel V2           |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     |                     | Dense V2            |                 |                 |                   | 4S V2           | 8S                     |                        |                     |   |
|-------------|---|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|---|
|             |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |   |
| 7XB7A00044  | ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD                    | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | 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                      | Y                      | Y                      | Y                      | N                      | N                   | Y                   | Y                   | Y                   | 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                      | Y                   | N                   | 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                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A82680  | ThinkSystem SR655 3.5" 10TB 7.2K SAS 12Gb Hot Swap 512e HDD             | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | Y                   | 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                      | Y                      | Y                      | N                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A17223  | ThinkSystem SR635/SR655 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD       | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | 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                      | Y                      | Y                      | Y                      | N                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A17224  | ThinkSystem SR635/SR655 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e HDD       | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | 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                      | Y                      | Y                      | Y                      | N                      | Y                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A80284  | ThinkSystem SR655 3.5" 16TB 7.2K SAS 12Gb Hot Swap 512e HDD             | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | Y                   | 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                     | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | N                   | N                   | N                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A76340  | ThinkSystem SR635/SR645/SR655 3.5" 18TB 7.2K SAS 12Gb Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | Y                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |

| Part Number                                      | Description   | Edge                |              | 1S Intel V2            |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     |                     | Dense V2            |                 |                 |                   | 4S V2           | 8S                     |                        |                     |   |
|--|---|---------------------|--------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|---|
|  |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST150 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |   |
| 4XB7A80353                                       | ThinkSystem 3.5" 20TB 7.2K SAS 12Gb Hot Swap 512e HDD     | N                   | N            | N                      | Y                      | Y                      | Y                      | Y                      | Y                      | N                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| <b>3.5-inch hot-swap SED HDDs - 12 Gb NL SAS</b> |   |                     |              |                        |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |   |
| 7XB7A00065                                       | ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS | N                   | N            | N                      | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | 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                      | Y                   | Y                   | Y                   | Y                   | 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                      | Y                   | Y                   | 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                      | Y                      | Y                      | Y                      | N                      | N                      | N                   | Y                   | Y                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |

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

| Part Number                                   | Description   | 1S Intel V1         |                     |              |                     | 2S Intel V1         |                     |                     |                     |                     |                     |                     | Dense V1            |              |              |              | 4S V1        |                     |                      |                     |   |
|---|---|---------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|---|
|   |   | ST150 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |   |
| <b>3.5-inch hot-swap HDDs - 12 Gb SAS 10K</b> |   |                     |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |   |
| 7XB7A00063                                    | ThinkSystem 3.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N                   | N            | N                   | N                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |
| 4XB7A77004                                    | ThinkSystem 3.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD | N                   | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |
| <b>3.5-inch hot-swap HDDs - 12 Gb SAS 15K</b> |   |                     |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |   |
| 7XB7A00038                                    | ThinkSystem 3.5" 300GB 15K SAS 12Gb Hot Swap 512n HDD | N                   | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |
| 7XB7A00039                                    | ThinkSystem 3.5" 600GB 15K SAS 12Gb Hot Swap 512n HDD | N                   | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |



| Part Number                                  | Description   | 1S Intel V1        |                     |              |                     | 2S Intel V1         |                     |                     |                     |                     |                     |                     |                     | Dense V1     |              |              |              | 4S V1               |                      |                     |
|--|---|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|
|  |   | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |
| 7XB7A00040                                   | ThinkSystem 3.5" 900GB 15K SAS 12Gb Hot Swap 512e HDD                   | N                  | Y                   | N            | Y                   | N                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| <b>3.5-inch hot-swap HDDs - 12 Gb NL SAS</b> |   |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |
| 7XB7A00041                                   | ThinkSystem 3.5" 1TB 7.2K SAS 12Gb Hot Swap 512n HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00042                                   | ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512n HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00043                                   | ThinkSystem 3.5" 4TB 7.2K SAS 12Gb Hot Swap 512n HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00044                                   | ThinkSystem 3.5" 6TB 7.2K SAS 12Gb Hot Swap 512e HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00045                                   | ThinkSystem 3.5" 8TB 7.2K SAS 12Gb Hot Swap 512e HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | 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                   | 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                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A82680                                   | ThinkSystem SR655 3.5" 10TB 7.2K SAS 12Gb Hot Swap 512e HDD             | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00067                                   | ThinkSystem 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD                   | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A17223                                   | ThinkSystem SR635/SR655 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD       | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | 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                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A17224                                   | ThinkSystem SR635/SR655 3.5" 14TB 7.2K SAS 12Gb Hot Swap 512e HDD       | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A13911                                   | ThinkSystem 3.5" 16TB 7.2K SAS 12Gb Hot Swap 512e HDD                   | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80284                                   | ThinkSystem SR655 3.5" 16TB 7.2K SAS 12Gb Hot Swap 512e HDD             | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A38266                                   | ThinkSystem 3.5" 18TB 7.2K SAS 12Gb Hot Swap 512e HDD                   | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A76340                                   | ThinkSystem SR635/SR645/SR655 3.5" 18TB 7.2K SAS 12Gb Hot Swap 512e HDD | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |

| Part Number                                      | Description   | 1S Intel V1        |                     |              | 2S Intel V1         |                     |                     |                     |                     |                     |                     | Dense V1            |                     |              | 4S V1        |              |              |                     |                      |
|--|---|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|
|  |   | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) |
| 4XB7A80353                                       | ThinkSystem 3.5" 20TB 7.2K SAS 12Gb Hot Swap 512e HDD     | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    |
| <b>3.5-inch hot-swap SED HDDs - 12 Gb NL SAS</b> |   |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |
| 7XB7A00065                                       | ThinkSystem 3.5" 2TB 7.2K SAS 12Gb Hot Swap 512e HDD FIPS | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | Y                   | Y                   | 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                   | Y                   | Y                   | Y                   | Y                   | Y                   | 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                   | Y                   | Y                   | 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                   | Y                   | Y                   | 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   | Edge                |              | 1S Intel V2           |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     |                     | Dense V2            |                 |                 |                   | 4S V2           |                        | 8S                     |                     |
|--|---|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|
|  |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |
| <b>3.5-inch hot-swap HDDs - 6 Gb NL SATA</b> |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00049                                   | ThinkSystem 3.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD              | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | Y                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 7XB7A00050                                   | ThinkSystem 3.5" 2TB 7.2K SATA 6Gb Hot Swap 512n HDD              | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 7XB7A00051                                   | ThinkSystem 3.5" 4TB 7.2K SATA 6Gb Hot Swap 512n HDD              | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 7XB7A00052                                   | ThinkSystem 3.5" 6TB 7.2K SATA 6Gb Hot Swap 512e HDD              | N                   | N            | N                     | Y                      | Y                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | 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                      | Y                      | Y                      | Y                      | Y                      | N                   | Y                   | Y                   | Y                   | 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                      | Y                   | 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                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A82681                                   | ThinkSystem SR655 3.5" 10TB 7.2K SATA 6Gb Hot Swap 512e HDD       | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | Y                   | 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                      | Y                      | Y                      | Y                      | Y                      | N                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A17226                                   | ThinkSystem SR635/SR655 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A38184                                   | ThinkSystem SR635/SR655 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |

| Part Number | Description   | Edge                |              | 1S Intel V2            |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     | Dense V2            |                     |                 | 4S V2           | 8S                |                 |                        |                        |                     |   |
|-------------|---|---------------------|--------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|---|
|             |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST150 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |   |
| 4XB7A13907  | ThinkSystem 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD                   | N                   | N            | N                      | N                      | N                      | Y                      | Y                      | Y                      | Y                      | N                   | N                   | Y                   | Y                   | 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                      | Y                      | Y                      | Y                      | Y                      | Y                   | N                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A80285  | ThinkSystem SR655 3.5" 16TB 7.2K SATA 6Gb Hot Swap 512e HDD             | N                   | N            | N                      | N                      | N                      | N                      | N                      | N                      | N                      | N                   | Y                   | 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                      | Y                      | Y                      | Y                      | Y                      | Y                      | Y                      | N                   | N                   | N                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A76341  | ThinkSystem SR635/SR645/SR655 3.5" 18TB 7.2K SATA 6Gb Hot Swap 512e HDD | N                   | N            | N                      | N                      | N                      | N                      | N                      | N                      | N                      | Y                   | Y                   | Y                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A80354  | ThinkSystem 3.5" 20TB 7.2K SATA 6Gb Hot Swap 512e HDD                   | N                   | N            | N                      | Y                      | Y                      | Y                      | Y                      | Y                      | Y                      | Y                   | Y                   | Y                   | Y                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |

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

| Part Number                                  | Description  | 1S Intel V1         |                     | 2S Intel V1  |                     |                     |                     |                     |                     |                     | Dense V1            |                     |                     | 4S V1        |              |              |              |                     |                      |                     |   |
|--|--|---------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|---|
|  |  | ST150 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |   |
| <b>3.5-inch hot-swap HDDs - 6 Gb NL SATA</b> |  |                     |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |   |
| 7XB7A00049                                   | ThinkSystem 3.5" 1TB 7.2K SATA 6Gb Hot Swap 512n HDD | N                   | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |
| 7XB7A00050                                   | ThinkSystem 3.5" 2TB 7.2K SATA 6Gb Hot Swap 512n HDD | N                   | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |
| 7XB7A00051                                   | ThinkSystem 3.5" 4TB 7.2K SATA 6Gb Hot Swap 512n HDD | N                   | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   | N |

| Part Number | Description   | 1S Intel V1        |                     |              |                     | 2S Intel V1         |                     |                     |                     |                     |                     |                     |                     | Dense V1     |              |              |              | 4S V1               |                      |                     |
|-------------|---|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|
|             |   | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |
| 7XB7A00052  | ThinkSystem 3.5" 6TB 7.2K SATA 6Gb Hot Swap 512e HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00053  | ThinkSystem 3.5" 8TB 7.2K SATA 6Gb Hot Swap 512e HDD                    | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | 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                   | 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                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A82681  | ThinkSystem SR655 3.5" 10TB 7.2K SATA 6Gb Hot Swap 512e HDD             | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | 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                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A17226  | ThinkSystem SR635/SR655 3.5" 12TB 7.2K SATA 6Gb Hot Swap 512e HDD       | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A38184  | ThinkSystem SR635/SR655 3.5" 14TB 7.2K SATA 6Gb Hot Swap 512e HDD       | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | 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                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A13914  | ThinkSystem 3.5" 16TB 7.2K SATA 6Gb Hot Swap 512e HDD                   | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80285  | ThinkSystem SR655 3.5" 16TB 7.2K SATA 6Gb Hot Swap 512e HDD             | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | 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                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A76341  | ThinkSystem SR635/SR645/SR655 3.5" 18TB 7.2K SATA 6Gb Hot Swap 512e HDD | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80354  | ThinkSystem 3.5" 20TB 7.2K SATA 6Gb Hot Swap 512e HDD                   | N                  | Y                   | N            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | 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   | Edge                |              | 1S Intel V2           |                        |                        | 2S Intel V2            |                        |                        |                        | AMD                 |                     |                     | Dense V2            |                 |                 | 4S V2             | 8S              |                        |                        |                     |
|---|---|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|
|   |   | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |
| <b>3.5-inch simple-swap HDDs - 6 Gb NL SATA</b>             |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 7XB7A00055  | ThinkSystem 1TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD | N                   | N            | N                     | Y                      | Y                      | Y                      | N                      | N                      | N                      | 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                     | Y                      | Y                      | Y                      | N                      | N                      | N                      | 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                      | Y                      | N                      | N                      | N                      | 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                      | Y                      | N                      | N                      | N                      | 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                      | Y                      | N                      | N                      | N                      | 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                      | Y                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A08584  | ThinkSystem 3.5" 12TB 7.2K SATA 6Gb Simple Swap 512e HDD  | N                   | N            | N                     | N                      | N                      | Y                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| <b>3.5-inch simple-swap HDDs for ST50 V2 - 6 Gb NL SATA</b> |   |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 4XB7A77445  | ThinkSystem ST50 V2 3.5" 1TB 7.2K SATA 6Gb NHS 512n HDD   | N                   | N            | Y                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A77446  | ThinkSystem ST50 V2 3.5" 2TB 7.2K SATA 6Gb NHS 512n HDD   | N                   | N            | Y                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A77447  | ThinkSystem ST50 V2 3.5" 4TB 7.2K SATA 6Gb NHS 512n HDD   | N                   | N            | Y                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |

| Part Number  | Description  | Edge                |              | 1S Intel V2           |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     | Dense V2            |                     |                 | 4S V2           |                   | 8S              |                        |                        |                     |
|--|--|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|
|  |  | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |
| 4XB7A77448   | ThinkSystem ST50 V2 3.5" 6TB 7.2K SATA 6Gb NHS 512e HDD          | N                   | N            | Y                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A77449   | ThinkSystem ST50 V2 3.5" 8TB 7.2K SATA 6Gb NHS 512e HDD          | N                   | N            | Y                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A77450   | ThinkSystem ST50 V2 3.5" 1TB Client 7.2K SATA 6Gb NHS 512e HDD   | N                   | N            | Y <sup>1</sup>        | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A77451   | ThinkSystem ST50 V2 3.5" 2TB Client 7.2K SATA 6Gb NHS 512e HDD   | N                   | N            | Y <sup>1</sup>        | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| <b>3.5-inch simple-swap HDDs for ST50 - 6 Gb NL SATA</b> |  |                     |              |                       |                        |                        |                        |                        |                        |                        |                     |                     |                     |                     |                 |                 |                   |                 |                        |                        |                     |
| 4XB7A80527   | ThinkSystem ST50 3.5" 1TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD v2 | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A80526   | ThinkSystem ST50 3.5" 2TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD v2 | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A80533   | ThinkSystem ST50 3.5" 4TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD v2 | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A80532   | ThinkSystem ST50 3.5" 6TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD v2 | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |
| 4XB7A80531   | ThinkSystem ST50 3.5" 8TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD v2 | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | 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                   | 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                   | 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                   | 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                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   |

| Part Number | Description  | Edge                |              | 1S Intel V2           |                        | 2S Intel V2            |                        |                        |                        | AMD                    |                     |                     | Dense V2            |                     |                 | 4S V2           | 8S                |                 |                        |                        |                     |   |
|-------------|--|---------------------|--------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------|---------------------|---------------------|---------------------|-----------------|-----------------|-------------------|-----------------|------------------------|------------------------|---------------------|---|
|             |  | SE350 (7Z46 / 7D1X) | SE450 (7D8T) | ST50 V2 (7D8K / 7D8J) | ST250 V2 (7D8G / 7D8F) | SR250 V2 (7D7R / 7D7Q) | ST650 V2 (7Z75 / 7Z74) | SR630 V2 (7Z70 / 7Z71) | SR650 V2 (7Z72 / 7Z73) | SR670 V2 (7Z22 / 7Z23) | SR635 (7Y98 / 7Y99) | SR655 (7Y00 / 7Z01) | SR645 (7D2Y / 7D2X) | SR665 (7D2W / 7D2V) | SD630 V2 (7D1K) | SD650 V2 (7D1M) | SD650-N V2 (7D1N) | SN550 V2 (7Z69) | SR850 V2 (7D31 / 7D32) | SR860 V2 (7Z59 / 7Z60) | SR950 (7X11 / 7X12) |   |
| 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                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A76721  | ThinkSystem ST50 3.5" 1TB Client 7.2K SATA 6Gb Non-Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |
| 4XB7A76722  | ThinkSystem ST50 3.5" 2TB Client 7.2K SATA 6Gb Non-Hot Swap 512e HDD | N                   | N            | N                     | N                      | N                      | N                      | N                      | N                      | N                      | N                   | N                   | N                   | N                   | N               | N               | N                 | N               | N                      | N                      | N                   | N |

1. Support for client drives has special conditions of use. See [Special Notice for Client drives](#) for details

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

| Part Number                                     | Description   | 1S Intel V1         |                     | 2S Intel V1  |                     |                     |                     |                     |                     |                     |                     | Dense V1            |                     |              | 4S V1        |              |              |                     |                      |                     |
|---|---|---------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|
|   |   | ST150 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |
| <b>3.5-inch simple-swap HDDs - 6 Gb NL SATA</b> |   |                     |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |
| 7XB7A00055                                      | ThinkSystem 1TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD | N                   | Y                   | Y            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00056                                      | ThinkSystem 2TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD | N                   | Y                   | Y            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00057                                      | ThinkSystem 4TB 7.2K 6Gbps SATA 3.5" Simple Swap 512n HDD | N                   | Y                   | Y            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00058                                      | ThinkSystem 6TB 7.2K 6Gbps SATA 3.5" Simple Swap 512e HDD | N                   | Y                   | Y            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 7XB7A00059                                      | ThinkSystem 8TB 7.2K 6Gbps SATA 3.5" Simple Swap 512e HDD | N                   | Y                   | Y            | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | 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                   | Y                   | Y                   | Y                   | Y                   | Y                   | Y                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A08584                                      | ThinkSystem 3.5" 12TB 7.2K SATA 6Gb Simple Swap 512e HDD  | N                   | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |



| Part Number   | Description  | 1S Intel V1        |                     |              |                     | 2S Intel V1         |                     |                     |                     |                     |                     |                     |                     | Dense V1     |              |              |              | 4S V1               |                      |                     |
|---|--|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|
|   |  | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |
| <b>3.5-inch simple-swap HDDs for ST50 V2 - 6 Gb NL SATA</b> |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |
| 4XB7A77445  | ThinkSystem ST50 V2 3.5" 1TB 7.2K SATA 6Gb NHS 512n HDD          | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A77446  | ThinkSystem ST50 V2 3.5" 2TB 7.2K SATA 6Gb NHS 512n HDD          | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A77447  | ThinkSystem ST50 V2 3.5" 4TB 7.2K SATA 6Gb NHS 512n HDD          | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A77448  | ThinkSystem ST50 V2 3.5" 6TB 7.2K SATA 6Gb NHS 512e HDD          | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A77449  | ThinkSystem ST50 V2 3.5" 8TB 7.2K SATA 6Gb NHS 512e HDD          | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A77450  | ThinkSystem ST50 V2 3.5" 1TB Client 7.2K SATA 6Gb NHS 512e HDD   | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A77451  | ThinkSystem ST50 V2 3.5" 2TB Client 7.2K SATA 6Gb NHS 512e HDD   | N                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| <b>3.5-inch simple-swap HDDs for ST50 - 6 Gb NL SATA</b>    |  |                    |                     |              |                     |                     |                     |                     |                     |                     |                     |                     |                     |              |              |              |              |                     |                      |                     |
| 4XB7A80527  | ThinkSystem ST50 3.5" 1TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD v2 | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80526  | ThinkSystem ST50 3.5" 2TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD v2 | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80533  | ThinkSystem ST50 3.5" 4TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD v2 | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80532  | ThinkSystem ST50 3.5" 6TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD v2 | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A80531  | ThinkSystem ST50 3.5" 8TB 7.2K SATA 6Gb Non-Hot Swap 512e HDD v2 | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | 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    | Y                  | N                   | N            | N                   | 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    | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |

| Part Number | Description  | 1S Intel V1        |                     |              |                     | 2S Intel V1         |                     |                     |                     |                     |                     |                     |                     | Dense V1     |              |              |              | 4S V1               |                      |                     |
|-------------|--|--------------------|---------------------|--------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|--------------|--------------|--------------|---------------------|----------------------|---------------------|
|             |  | ST50 (7Y48 / 7Y50) | ST250 (7Y45 / 7Y46) | SR150 (7Y54) | SR250 (7Y52 / 7Y51) | ST550 (7X09 / 7X10) | SR530 (7X07 / 7X08) | SR550 (7X03 / 7X04) | SR570 (7Y02 / 7Y03) | SR590 (7X98 / 7X99) | SR630 (7X01 / 7X02) | SR650 (7X05 / 7X06) | SR670 (7Y36 / 7Y37) | SD530 (7X21) | SD650 (7X58) | SN550 (7X16) | SN850 (7X15) | SR850 (7X18 / 7X19) | SR850P (7D2F / 2D2G) | SR860 (7X69 / 7X70) |
| 4XB7A13556  | ThinkSystem ST50 3.5" 4TB 7.2K SATA 6Gb Non-Hot Swap 512n HDD        | Y                  | N                   | N            | N                   | 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        | Y                  | N                   | N            | N                   | 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        | Y                  | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A76721  | ThinkSystem ST50 3.5" 1TB Client 7.2K SATA 6Gb Non-Hot Swap 512e HDD | Y <sup>1</sup>     | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |
| 4XB7A76722  | ThinkSystem ST50 3.5" 2TB Client 7.2K SATA 6Gb Non-Hot Swap 512e HDD | Y <sup>1</sup>     | N                   | N            | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N                   | N            | N            | N            | N            | N                   | N                    | N                   |

1. Support for client drives has special conditions of use. See [Special Notice for Client drives](#) for details

## Special notice for Client drives

Some servers support both Client HDDs and Enterprise Class HDDs. Client HDDs are designed for 8x5 operating environment whereas Enterprise Class HDDs are designed for 24x7 operating environment. Selecting the correct drive class will enable the critical areas of quality, functionality, performance, and reliability to be optimized for the target implementation.

When using Client Hard Disk Drives, you agree to the following terms of service:

- Update the firmware once you receive the server according to the "Lenovo Client HDD Upgrade for Windows and Linux" document in the download page:  
<https://datacentersupport.lenovo.com/products/servers/thinksystem/st50/7y48/downloads/driver-list/component?name=Storage>
- The use of the Lenovo Online SAS/SATA Hard Disk Drive Update Program is not supported.
- Maximum of 2 Client HDDs per server is supported
- Mixing Client HDDs with other drives is not supported.
- Only supported connected to the server's onboard 6Gbps SATA controller. RAID adapters and HBAs are not supported.
- Operational availability: 8 hours/day, 5 days/week.
- Workload rate limit: < 55 TB/year\*

Choosing the right drive type depends on the usage pattern. Improper use of Client HDDs (such as the workload rate exceeding 55 TB/year) will lead to significant risk and increase the drives failure rate.

\* The specifications for the product assumes the I/O workload does not exceed the average annualized workload rate limit of 55 TB/year. Workloads exceeding the annualized rate may degrade and impact reliability as experienced by the particular application. The average annualized workload rate limit is in units of TB per calendar year.

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- [Drives](#)

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