

What's New - February 2022

Article

New server options

The following server options have been announced:

New Samsung SSD:

- ThinkSystem 2.5" U.2 PM9A3 3.84TB Read Intensive NVMe PCIe 4.0 x4 HS SSD, 4XB7A79697

See the [ThinkSystem PM9A3 Read Intensive NVMe PCIe 4.0 SSDs](#) product guide

New trayless and 7mm hot-swap form factors for these Micron SSDs:

- ThinkSystem 2.5" 7mm 5300 960GB Entry SATA 6Gb Trayless SSD, 4XB7A17184
- ThinkSystem 2.5" 7mm 5300 960GB Mainstream SATA 6Gb Trayless SSD, 4XB7A17188
- ThinkSystem 7mm 5300 960GB Mainstream SATA 6Gb Hot Swap SSD, 4XB7A17095

See the [ThinkSystem 5300 Mainstream 6Gb SATA SSDs](#) and [ThinkSystem 5300 Entry 6Gb SATA SSDs](#) product guides

New Micron SED drive:

- ThinkSystem 2.5" 5300 960GB Mainstream SATA 6Gb Hot Swap SSD SED, 4XB7A13972

See the [ThinkSystem 5300 Mainstream 6Gb SATA SED SSDs](#) product guide

New trayless form factor for these Intel SSDs:

- ThinkSystem Intel S4520 2.5" 7mm 240GB Entry SATA 6Gb Non-Hot Swap SSD Trayless, 4XB7A77056
- ThinkSystem Intel S4520 2.5" 7mm 480GB Entry SATA 6Gb Non-Hot Swap SSD Trayless, 4XB7A77057

See the [ThinkSystem S4520 Read Intensive SATA 6Gb SSDs](#) product guide

New RAID adapter:

- ThinkSystem RAID 540-16i PCIe Gen4 12Gb Adapter, 4Y37A78835

See the [ThinkSystem RAID 540 PCIe Gen4 12Gb Adapters](#) product guide

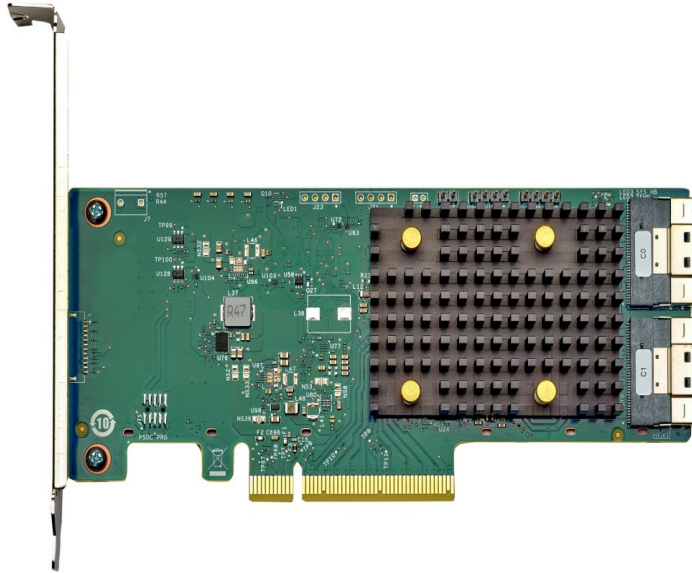


Figure 1. ThinkSystem RAID 540-16i PCIe Gen4 12Gb Adapter

New Flex System network adapter:

- ThinkSystem Mellanox ConnectX-4 Lx 25Gb 2-port Mezz Adapter, 4XC7A08315

See the [ThinkSystem Mellanox ConnectX-4 Lx 25Gb 2-port Mezz Adapter](#) product guide

New GPUs

- ThinkSystem NVIDIA A16 64GB Gen4 PCIe Passive GPU, 4X67A76727
- ThinkSystem NVIDIA A2 16GB PCIe Gen4 Passive GPU, 4X67A81547

See the [ThinkSystem and ThinkAgile GPU Summary](#)

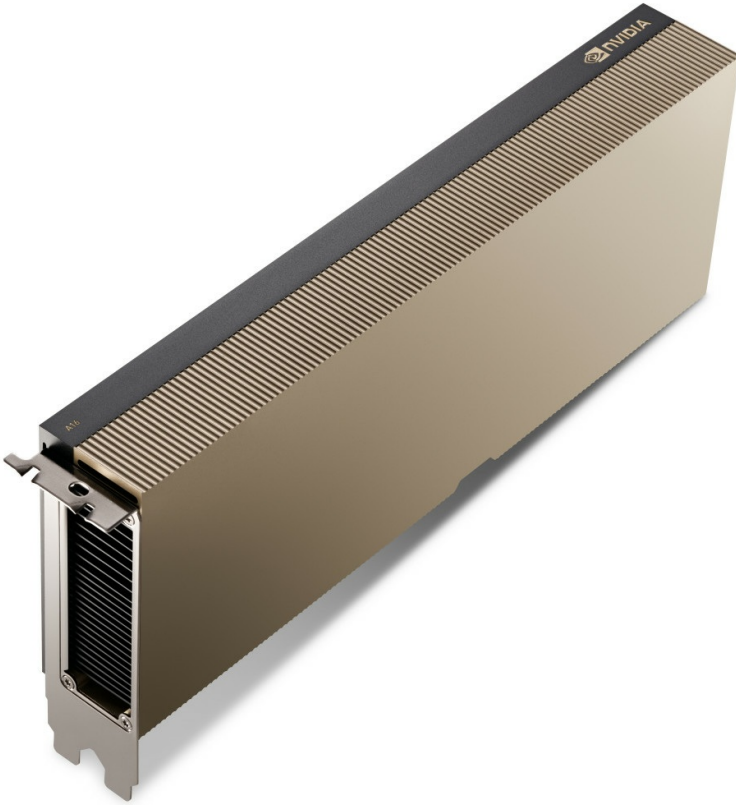


Figure 2. ThinkSystem NVIDIA A16 64GB Gen4 PCIe Passive GPU

New server features

Key new features added to our ThinkSystem servers include the following:

SE350:

- New support for NVIDIA A2 GPU

Details in the [ThinkSystem SE350](#) product guide

SR630:

- New support for NVIDIA A2 GPU

Details in the [ThinkSystem SR630](#) product guide

SR650:

- New support for NVIDIA A100, A16 and A2 GPUs

Details in the [ThinkSystem SR650](#) product guide

SR650 V2:

- The server now supports the 512GB Persistent Memory module, enabling up to 12TB of system memory
- The server now supports the use of Riser 3 with only 1 processor installed, adding either two PCIe x8 slots or one PCIe x16 slot to the 1-socket configuration

- The server now supports the ThinkSystem Xilinx Alveo U50 Data Center Accelerator Adapter
- Additional drive support

Details in the [ThinkSystem SR650 V2 Server](#) product guide

SR630 V2:

- The server now supports the 512GB Persistent Memory module, enabling up to 12TB of system memory
- The server now supports the ThinkSystem Xilinx Alveo U50 Data Center Accelerator Adapter
- Additional drive support

Details in the [ThinkSystem SR630 V2 Server](#) product guide

Note: The support of 8x NVMe 2.5-inch drive bays or 8x AnyBay 2.5-inch drive bays with only 1 processor has been delayed until 2Q/2022.



Figure 3. Lenovo ThinkSystem SR630 V2

ST650 V2:

- Added support of field upgrades to 16x 3.5-inch drive bays
- Support for additional storage adapters including the PCIe Gen 4 940-16i RAID adapter and 440 HBAs
- Support for an internal LTO7 tape drive
- Support for the ThinkSystem Intel E810-DA2 10/25GbE SFP28 2-Port PCIe Ethernet Adapter
- Additional drive support

SR665:

- Support for additional RAID adapter and SAS HBAs including the RAID 9350, RAID 5350 and 4350 HBAs

Details in the [ThinkSystem SR665 Server](#) product guide

SR645:

- The server now supports 8TB of system memory using 32x 256GB 3DS RDIMMs
- Support for additional RAID adapter and SAS HBAs including the RAID 9350, RAID 5350 and 4350 HBAs

Details in the [ThinkSystem SR645 Server](#) product guide

SR670 V2:

- New support for 8x single-wide GPUs combined with 8x NVMe drives or 8x SAS/SATA drives
- Support for NVIDIA A10 and NVIDIA T4 GPUs
- New support for 8x double-wide GPUs with a x16 GPUDirect Storage connection to EDSFF NVMe drives
- Support for the ThinkSystem HHL PM1735 6.4TB Mainstream NVMe PCIe4.0 x8 Flash Adapter, 4XB7A14077

- Additional drive support

Details in the [ThinkSystem SR670 V2 Server](#) product guide

SD630 V2:

- Additional drive support

Details in the [ThinkSystem SD630 V2 Server](#) product guide

ThinkAgile MX updates

The ThinkAgile MX appliances and certified nodes with 3rd Gen Intel Xeon Scalable processors now support these PCIe Gen 4 SAS HBAs for internal storage:

- ThinkSystem 440-8i SAS/SATA PCIe Gen4 12Gb HBA
- ThinkSystem 440-16i SAS/SATA PCIe Gen4 12Gb HBA

For details, see the [ThinkAgile MX 1U](#) and [ThinkAgile MX 2U](#) product guides

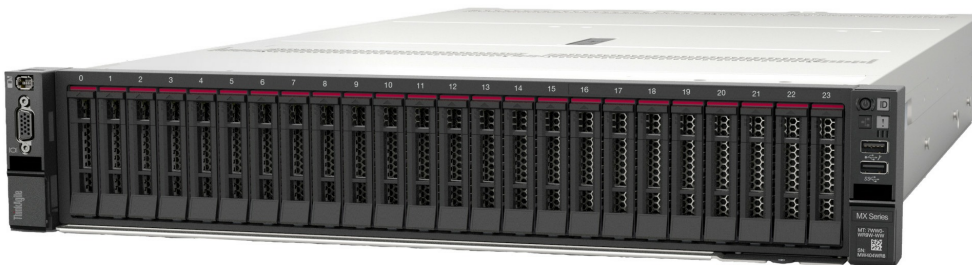


Figure 4. ThinkAgile MX3530 and MX3531 2U Appliances & Certified Nodes with 2.5-inch drive bays

IBM Security Key Lifecycle Manager

The IBM Security Key Lifecycle Manager software is now available from Lenovo using the ordering information listed in the following table.

Table 1. IBM Security Key Lifecycle Manager licenses

Part number	Description
7S0A007FWW	IBM Security Key Lifecycle Manager Basic Edition Install License + SW Subscription & Support 12 Months
7S0A007HWW	IBM Security Key Lifecycle Manager For Raw Decimal Terabyte Storage Resource Value Unit License + SW Subscription & Support 12 Months
7S0A007KWW	IBM Security Key Lifecycle Manager For Raw Decimal Petabyte Storage Resource Value Unit License + SW Subscription & Support 12 Months
7S0A007MWW	IBM Security Key Lifecycle Manager For Usable Decimal Terabyte Storage Resource Value Unit License + SW Subscription & Support 12 Months
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