

What's New - February 2020

Article

New Xeon E-2200 Processors on 1-socket Intel servers

Lenovo has announced new models of the one-socket servers, based on the new Intel "Coffee Lake-S Refresh" processor family. Learn about these new servers with new product guides:

- [Lenovo ThinkSystem ST250 Server \(E-2200\)](#)
- [Lenovo ThinkSystem SR250 Server \(E-2200\)](#)
- [Lenovo ThinkSystem ST50 Server \(E-2200\)](#)



Figure 1. Lenovo ThinkSystem ST250

The new servers have also been added to our ThinkSystem server portfolio comparison:

- [Lenovo ThinkSystem Server Comparison](#)

ThinkSystem DM7100 Storage Arrays

Lenovo has just announced two new scalable, unified ThinkSystem DM storage systems:

- [Lenovo ThinkSystem DM7100H hybrid storage system](#)
- [Lenovo ThinkSystem DM7100F all flash storage system](#)

Powered by the ONTAP software, these systems delivers enterprise-class storage management capabilities with a wide choice of host connectivity options, flexible drive configurations, and enhanced data management features.

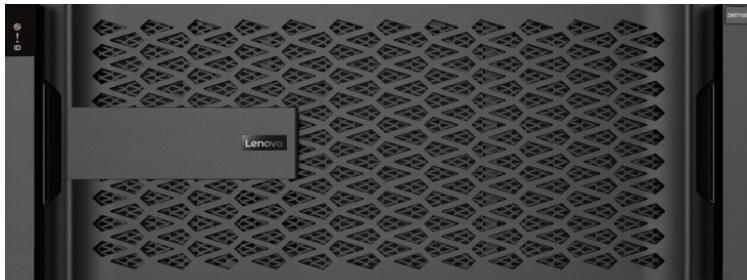


Figure 2. Lenovo ThinkSystem DM7100F

The DM7100 are new members of our DM Series storage systems family:

- [Lenovo ThinkSystem DM Series Unified Storage Arrays](#)

Additional Intel Xeon Scalable processors for 2-socket servers

We just added new processor options to the ThinkSystem servers with two Intel Xeon Scalable Processors, codenamed "Cascade Lake Refresh". You can see the specifications of the new processors in our processor reference:

- [Intel Xeon Scalable Processor Reference for Lenovo ThinkSystem Servers](#)

The following server product guides have been updated with the new processors:

- 2U rack servers
 - [Lenovo ThinkSystem SR670 Server \(Xeon SP Gen 2\)](#)
 - [Lenovo ThinkSystem SR650 Server \(Xeon SP Gen 2\)](#)
 - [Lenovo ThinkSystem SR590 Server \(Xeon SP Gen 2\)](#)
 - [Lenovo ThinkSystem SR550 Server \(Xeon SP Gen 2\)](#)
- 1U rack servers
 - [Lenovo ThinkSystem SR630 Server \(Xeon SP Gen 2\)](#)
 - [Lenovo ThinkSystem SR570 Server \(Xeon SP Gen 2\)](#)
 - [Lenovo ThinkSystem SR530 Server \(Xeon SP Gen 2\)](#)
- Tower servers
 - [Lenovo ThinkSystem ST550 Server \(Xeon SP Gen 2\)](#)
- Dense and Blade servers
 - [Lenovo ThinkSystem SD530 Server \(Xeon SP Gen 2\)](#)
 - [Lenovo ThinkSystem SN550 Server \(Xeon SP Gen 2\)](#)

New Server Options

This month, we announced the following new options:

- New GPUs:
 - ThinkSystem NVIDIA Quadro RTX 6000 24GB PCIe Passive GPU, 4X67A13125
 - ThinkSystem NVIDIA Tesla V100S 32GB PCIe Passive GPU, 4X67A13124
 - See the [ThinkSystem and ThinkAgile GPU Summary](#) for details
- New 4-port 25GbE PCIe adapter for SR655:
 - ThinkSystem Broadcom 57454 10/25GbE SFP28 4-port PCIe Ethernet Adapter (currently available CTO only)
 - See the [ThinkSystem Broadcom 57454 10/25GbE SFP28 Ethernet Adapters](#) product guide
- New UDIMM option for 1-socket Intel servers
 - ThinkSystem 32GB TruDDR4 2666MHz (2Rx8, 1.2V) ECC UDIMM
 - This doubles the maximum memory supported 128 GB
 - Supported in E-2100 servers with firmware upgrade as well as new E-2200 servers (no support with Celeron, Pentium or Core i3 processors)
- New support for the 64GB RDIMM in the SR670
 - ThinkSystem 64GB TruDDR4 2933MHz (2Rx4 1.2V) RDIMM
 - This doubles the maximum memory supported to 1.5TB total memory
- New support of a 128GB 3DS RDIMM in the SR655, SR635 and SD530:
 - ThinkSystem 128GB TruDDR4 2933MHz (4Rx4 1.2V) 3DS RDIMM, 4ZC7A15113
 - The servers now supports up to 2TB of system memory
- In the Memory Mode of Intel DC Persistent Memory, it is now supported to use 128GB DCPMMs with 16GB DIMMs
 - See the [Intel Optane DC Persistent Memory](#) product guide
- Support of the 32GB M.2 drive in the SR635 and SR655:
 - ThinkSystem M.2 32GB SATA 6Gbps Non-Hot Swap SSD, 7N47A00129
- Support of the Emulex 32Gb FC HBAs in the SD530:
 - ThinkSystem Emulex LPe35000 32Gb 1-port PCIe Fibre Channel Adapter, 4XC7A08250
 - ThinkSystem Emulex LPe35002 32Gb 2-port PCIe Fibre Channel Adapter, 4XC7A08251
 - See the [ThinkSystem Emulex LPe35000/LPe35002 32Gb FC Adapters](#) product guide

ONIE Rack Switches

In January, we announced new ThinkSystem top-of-rack Ethernet switches that support Open Network Install Environment (ONIE):

- [Lenovo ThinkSystem NE2580O RackSwitch](#) - 48x 25GbE ports + 8x 100GbE uplink ports
- [Lenovo ThinkSystem NE1064TO RackSwitch](#) - 48x 10GBASE-T 10GbE ports + 6x 100GbE uplink ports



Figure 3. Lenovo ThinkSystem NE1064TO RackSwitch

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