

What's New - January 2019

Article

ThinkSystem SR650 - NVMe-rich configurations

The Lenovo ThinkSystem SR650 is a mainstream 2U 2-socket server with industry-leading reliability, management, and security features, and is designed to handle a wide range of workloads.

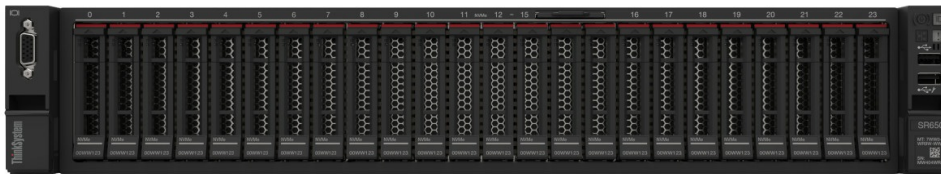


Figure 1. ThinkSystem SR650 with 24 NVMe drives

Previously, the server supported up to 12 NVMe drives, however, this month, we announced new configurations with more NVMe drives:

- 16 NVMe drives + 8 SAS/SATA drives
- 20 NVMe drives
- 24 NVMe drives

Learn more about these configurations:

- Paper, *NVMe-Rich Configurations of the ThinkSystem SR650*
<https://lenovopress.com/LP0904>
- 14-minute walkthrough video
<https://lenovopress.com/LP0905>
- SR650 Product Guide
<https://lenovopress.com/lp0644-lenovo-thinksystem-sr650-server>

ThinkSystem SR670 - New Options

The SR670 is a 2-socket GPU-rich server supporting four double-wide high-performance GPUs. In January, Lenovo added support for SAS drive controllers, SAS drives, an additional GPU and support for Omni Path Architecture.



Figure 2. Front view of the Lenovo ThinkSystem SR670

New options we announced this month:

- New support for an additional processor
 - Intel Xeon Gold 6148 20C 150W 2.4GHz Processor
- New support for Omni Path Architecture
 - Intel OPA 100 Series Single-port PCIe 3.0 x16 HFA, 00WE027
- New support for internal SAS HBAs and RAID controllers
 - ThinkSystem SR670 RAID 930-8i 2GB Flash, 4Y37A16227
 - ThinkSystem SR670 RAID 530-8i PCIe Adapter, 4Y37A16225
 - ThinkSystem SR670 RAID 730-8i 1GB Cache Adapter, 4Y37A16226
 - ThinkSystem SR670 430-8i SAS/SATA HBA, 4Y37A16228
- New support for an external SAS HBA
 - ThinkSystem 430-8e SAS/SATA 12Gb HBA, 7Y37A01090
- New support for SAS HDDs and SSDs
 - ThinkSystem 2.5" 300GB 10K SAS 12Gb Hot Swap 512n HDD, 7XB7A00024
 - ThinkSystem 2.5" 600GB 10K SAS 12Gb Hot Swap 512n HDD, 7XB7A00025
 - ThinkSystem 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD, 7XB7A00027
 - ThinkSystem 2.5" HUSMM32 400GB Performance SAS 12Gb Hot Swap SSD, 7N47A00124
 - ThinkSystem 2.5" PM1645 800GB Mainstream SAS 12Gb Hot Swap SSD, 4XB7A13653
 - ThinkSystem 2.5" PM1645 1.6TB Mainstream SAS 12Gb Hot Swap SSD, 4XB7A13654
- New support for GPUs
 - ThinkSystem SR670 AMD Radeon Instinct MI25 16Gb PCIe Passive GPU, 4C57A16224

Read about the new options in the SR670 product guide:

<https://lenovopress.com/lp0923-thinksystem-sr670-server>

ThinkSystem KVM Switch product guides

Although not new to Lenovo (they were announced July 2018), the ThinkSystem KVM console switches now have product guides to describe the products.

- ThinkSystem Digital 2x1x16 KVM Switch Product Guide
<https://lenovopress.com/lp1058-thinksystem-digital-2x1x16-kvm-switch>
- ThinkSystem Analog 1x8 KVM Switch Product Guide
<https://lenovopress.com/lp1057-thinksystem-analog-1x8-kvm-switch>



Figure 3. Lenovo ThinkSystem Digital 2x1x16 KVM Switch (front and rear)

Related product families

Product families related to this document are the following:

- [ThinkSystem SR650 Server](#)
- [ThinkSystem SR670 Server](#)

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