



Lenovo ThinkSystem DM5100F Flash Storage Array User Manual

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Flash Storage Array User Manual

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Smarter Way Forward

Unleash your data to make smarter, faster decisions

With Lenovo, you can accelerate and optimize your data management capabilities, enabling smarter and more actionable insights. We provide end-to-end data intelligent solutions to democratize the power of AI and analytics for organizations of all sizes.

Learn more at our Smarter Way Forward launch page.

ThinkSystem DM5100F



The Lenovo ThinkSystem DM5100F Storage Array is a unified, all-NVMe flash storage system that is designed to provide performance, simplicity, capacity, security, and high availability for medium-sized enterprises. Powered by the ONTAP storage management software, the DM5100F delivers enterprise-class storage management capabilities with a wide choice of host connectivity options and enhanced data management features. Learn about the DM5100F with these resources:

- Datasheet
- Product Guide
- Interactive 3D Tour

ThinkSystem DB720S



The Lenovo ThinkSystem DB720S Gen 7 FC SAN Switch, with its unmatched 64Gbps performance and industry-leading port density, provides a building block that supports data growth, demanding workloads, and data-center consolidation. With a 50% latency reduction compared to the previous generation, the DB720S Switch enables the maximum performance of NVMe storage.

Learn about the DB720S with these resources:

- Datasheet
- Product Guide
- Interactive 3D Tour

[Click here to check for updates](https://lenovopress.lenovo.com/updatecheck/LP1411/1a6d3d29fc9e079d04f4c058a4e96f5f)

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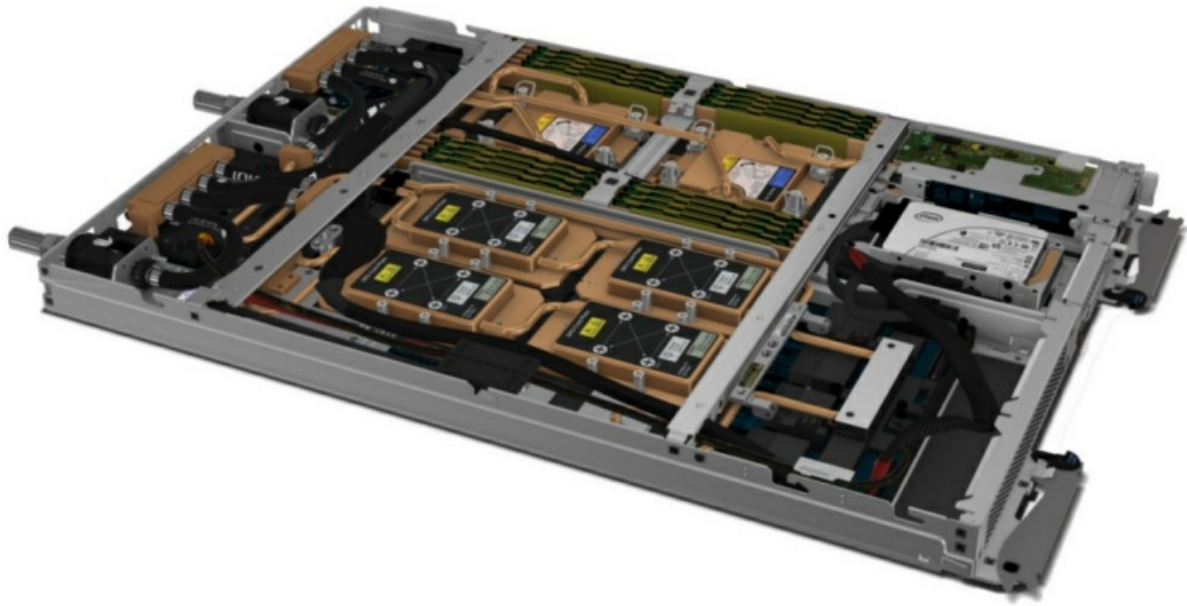
ONTAP 9.8

With ONTAP 9.8, Lenovo ThinkSystem DM Series Storage enables robust hybrid cloud data management for all data types — Block, File, and now Object — all from one platform.

Preview: Next Generation HPC servers

Lenovo's new HPC servers drive AI workloads with GPU-optimized servers, and leverage exascale performance. Get a preview of these servers, to be available in 2021.

ThinkSystem SD650-N V2

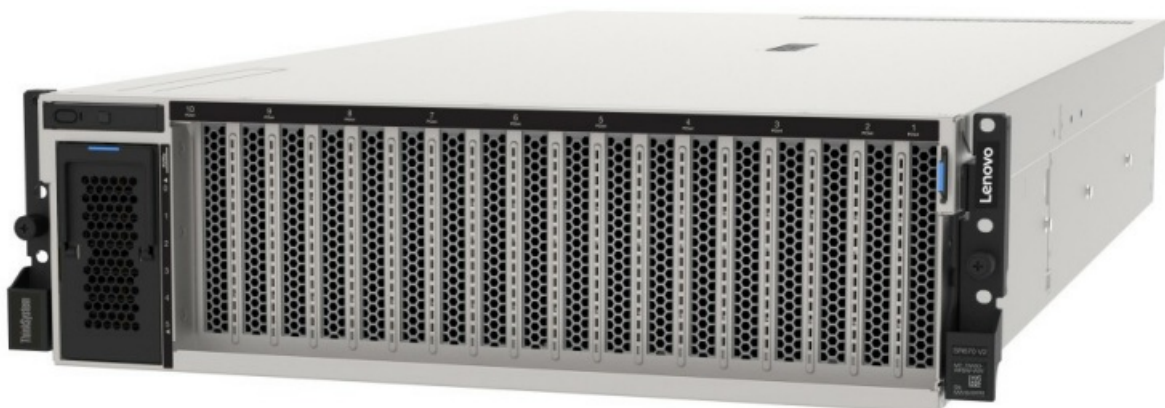


To capitalize on the performance gains of GPU computing, Lenovo announced the ThinkSystem SD650-N V2 at the Supercomputing SC20 conference. This model adds to our ultra-dense server portfolio and features Lenovo Neptune™ direct-to-node (DTN) liquid cooling. The SD650-N V2 brings Lenovo's Neptune DTN water-cooling technology to a GPU-based system, including four board-mounted NVIDIA A100s in a 1U system, delivering up to 3 petaFLOPS of compute performance in a single rack.

Lenovo Neptune liquid cooling reduces energy consumption by up to 40% while maintaining unprecedented compute power and density. Additionally, the SD650-N V2 is designed with a common board used by aircooled systems, allowing you to share components across air and water-cooled systems.

- **Datasheet**

ThinkSystem SR670 V2



Also, organizations of all sizes are running more complex workloads than ever before. Artificial Intelligence augments analytics, and remote graphics applications are pervasive. For the required performance boost to run these workloads, customers have turned to GPUs in the data center.

The Lenovo ThinkSystem SR670 V2 is a new GPU-rich system that can hold up to eight NVIDIA A100 or T4 GPUs in a single 3U frame. A single ThinkSystem SR670 V2 node delivers up to 100 petaFLOPS of compute performance. By leveraging Lenovo Neptune liquid-to-air heat exchangers, you get the benefits of liquid cooling

without adding plumbing.

Server drives and flash adapters

This month we expanded the server support of a number of key drives and flash storage adapters. Details of the new server support are in each of these product guides:

- **Lenovo ThinkSystem HDD Summary**
 - 12TB, 16TB and 18TB drives now supported in ST250, SR250, and our four AMD-based servers
- **ThinkSystem PM1735 Mainstream NVMe Flash Adapters**
 - Adapters now supported in SR570, SR590, SR650, SR645, SR665, SR850, SR850P, SR860, SR950 and SD530
- **ThinkSystem 5210 Entry 6Gb SATA QLC SSDs**
 - Drives now supported in SR645 and SR665
- **ThinkSystem PM1643a Entry 12Gb SAS SSDs**
 - Drives now supported in SR645 and SR665
- **ThinkSystem PM1645a Mainstream 12Gb SAS SSDs**
 - Drives now supported in most of the ThinkSystem server portfolio
- **ThinkSystem Intel P5500 Entry NVMe PCIe 4.0 x4 SSDs**
 - Drives now supported in SR645 and SR665
- **ThinkSystem Intel P5600 Mainstream NVMe PCIe 4.0 x4 SSDs**
 - Drives now supported in SR645 and SR665
- **ThinkSystem PM1733 Entry NVMe PCIe 4.0 x4 SSDs**
 - Drives now supported in SR645 and SR665
- **ThinkSystem PM1733 Entry NVMe PCIe 4.0 x4 SED SSDs**
 - Drives now supported in SR645 and SR665
- **Lenovo ThinkSystem SSD Portfolio**
 - Updated all server support

The various server product guides have also been updated with this new support.

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What's New – December 2020

Documents / Resources



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ThinkSystem DM5100F Flash Storage Array, ThinkSystem DM5100F, Flash Storage Array, Storage Array, Array

References

- [\[L\] ThinkSystem DM Series All-Flash Array Datasheet > Lenovo Press](#)
- [\[L\] ThinkSystem DB720S FC SAN Switch Datasheet > Lenovo Press](#)
- [\[L\] Lenovo ThinkSystem SR670 V2 Datasheet > Lenovo Press](#)
- [\[L\] Lenovo ThinkSystem SD650-N V2 Datasheet > Lenovo Press](#)
- [\[L\] 3D Tour: Lenovo ThinkSystem DM Unified Flash Storage Array > Lenovo Press](#)
- [\[L\] Lenovo ThinkSystem HDD Reference > Lenovo Press](#)
- [\[L\] ThinkSystem 5210 Entry 6Gb SATA QLC SSDs Product Guide > Lenovo Press](#)
- [\[L\] ThinkSystem PM1643a Entry 12Gb SAS SSDs Product Guide > Lenovo Press](#)
- [\[L\] ThinkSystem PM1645a Mainstream 12Gb SAS SSDs Product Guide > Lenovo Press](#)
- [\[L\] Lenovo ThinkSystem SSD Portfolio > Lenovo Press](#)
- [\[L\] ThinkSystem PM1733 Entry NVMe PCIe 4.0 x4 SSDs Product Guide > Lenovo Press](#)
- [\[L\] ThinkSystem PM1735 Mainstream NVMe PCIe 4.0 x8 Flash Adapters Product Guide > Lenovo Press](#)
- [\[L\] ThinkSystem Intel P5500 Entry NVMe PCIe 4.0 x4 SSDs Product Guide > Lenovo Press](#)
- [\[L\] ThinkSystem Intel P5600 Mainstream NVMe PCIe 4.0 x4 SSDs Product Guide \(withdrawn product\) > Lenovo Press](#)
- [\[L\] ThinkSystem PM1733 Entry NVMe PCIe 4.0 x4 SED SSDs Product Guide > Lenovo Press](#)
- [\[L\] Lenovo ThinkSystem DB720S Gen7 FC SAN Switch Product Guide > Lenovo Press](#)
- [\[L\] Lenovo ThinkSystem DM5100F Unified and DM5100F SAN Flash Storage Array Product Guide > Lenovo Press](#)
- [\[L\] 3D Tour: Lenovo ThinkSystem DB720S FC SAN Switch > Lenovo Press](#)
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