Lenovo Product Portfolio

Lenovo Core and Edge Servers

Smarter technology for all

18th May 2024



Spring Sale

Analyze, Modernize, Solutionize. Yourinterprise!

The 2023 Lenovo Edge Servers are designed to deliver high performance, reliability and security for edge computing applications. The 2023 Lenovo Edge Servers are ideal for industries such as retail, manufacturing, healthcare and smart cities that require low-latency, high-bandwidth and scalable edge solutions.





Welcome

Servers

Tower Servers Rack Servers Mission Critical Servers Density Optimized and Blade Servers Edge Servers

ThinkAgile

ThinkAgile SXM

Storage

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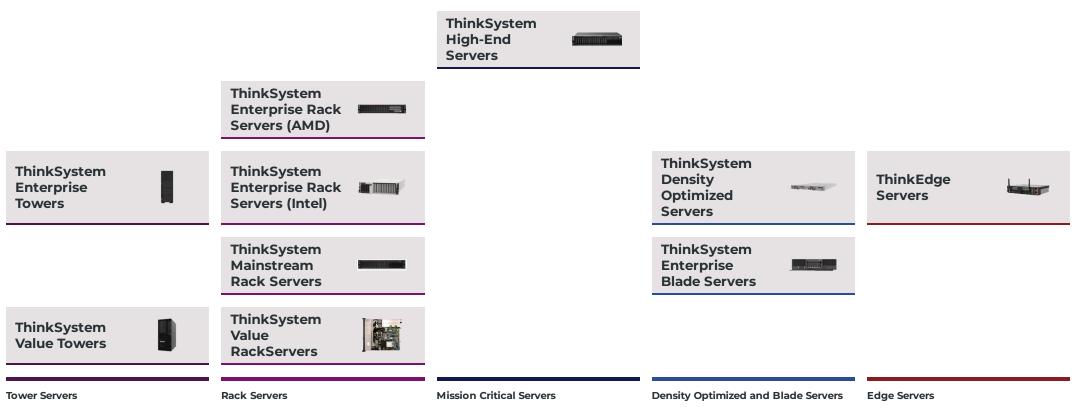
Did you know?

- With 46 world-class labs, 6500 globally recognized patents to its name and 100+ major design awards, Lenovo has a legacy of innovation.
- Spread across 160 countries with 3,000 field service locations and over 150,000 partners, Lenovo is a globally trusted brand.
- Lenovo ranked #16 in Gartner's 2021 Top 25 Global Supply Chain, highlighting their operational excellence in the global supply chain community
- Lenovo believes in reliable end-to-end security of devices. Security begins with design and continues through supply chain, delivery, and the full lifecycle of the device.



Servers

Driving new levels of storage density and connectivity, Lenovo ThinkSystem servers powered by Intel® Xeon® scalable processor family, and are the ideal platform to host private and public cloud, virtualisation, VDI, web serving, analytics, and big data solutions.



Lenovo tower servers deliver powerful performance and versatile storage configurations in a small footprint for SMBs to large institutions. Get the reliability you expect from the data center, delivered in a package optimized for office environments. From growing small businesses to enterprise workloads, Lenovo rack servers offer the unmatched value, flexibility and industry-leading efficiency to meet mission-critical demands with legendary quality and reliability. Lenovo's mission critical servers give customers the best-in-class reliability, and uptime with screaming performance for the workloads that run their enterprise. Performance and high availability come together in these servers. Take your pick, from Lenovo dense systems that deliver massive computing power in minimal space to tackle business-critical workloads or our 2nd generation blade servers that help infrastructure applications run with up to 8-% better density than standard rack server deployments. The world is more connected than ever, and most data is now being generated outside of the data center. With a range of capabilities from small IoT devices to larger multi-GPU systems, no matter what you need, we'll find the right solution for you with our Edge infrastructure.

ThinkSystem ST250 V2

The Lenovo server is a mainstream 1-socket tower server that also be rack mounted as a rack server. It is ideal for small-to-medium businesses, remote offices, and branch offices. The server supports the new Intel Xeon E-2300 Series processors, formerly codenamed "Rocket Lake". These tools make the ST250 V2 easy to deploy, integrate, service, and manage.





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ThinkSystem ST250 V3

The ThinkSystem ST250 V3 tower server, equipped with a single Intel® Xeon® E-2400 processor and the capability to be installed in-rack or as a standalone server, is optimized for growing businesses and remote applications. With support for up to 4x PCIe, including one GPU, the ST250 V3 offers high-definition video output and can aid in extending AI inferencing to remote installations such as branch offices.





ThinkSystem ST 650 V2

This Lenovo server is an ideal 2-socket 4U tower server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth. The ST650 V2 is designed to handle a wide range of workloads, such as databases, virtualization and cloud computing, virtual desktop infrastructure (VDI), infrastructure security, systems management, enterprise applications, collaboration/email, streaming media, web, and HPC.



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ThinkSystem ST650 V3

As your workloads evolve, so should your server. The ThinkSystem ST650 V3 is powered by 4th Gen Intel Xeon Scalable processor and the latest DDR5 memory to handle virtualization and private cloud workloads. It also supports up to 9 PCIe Gen 4/Gen 5 slots and 32 drives to your unique infrastructure needs. Ideal for remote installations, it provides enterprise performance and reliability either in-rack or as a stand-alone server.





ThinkSystem SR250 V2

This high-value single-socket 1U rack server is for growing businesses that need optimized performance and flexibility for future growth. The server supports one Intel Xeon E-2300 Series processor, and has up to 128 GB of 3200 MHz TruDDR4 ECC memory. With the next-generation Lenovo XClarity Controller built into it, the SR250 V2 provides advanced service processor control, monitoring, and alerting functions.



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ThinkSystem SR250 V3

Powered by the next-generation Intel® Xeon® E-2400 processors, the ThinkSystem SR250 V3 provides higher workload performance at an entrylevel price point. With multiple drive types for flexible storage configurations, it can handle your current workloads and easily scale to meet future demands.



Lenovo ThinkSystem SR655 V3

A high performance 1S 2U rack server optimized with expansive GPU capacity and the latest PCIe Gen 5 delivering a balance of continuous speed and agility to any IT infrastructure. The SR655 V3 is storage-rich and agile with options for SAS/SATA, NVMe and AnyBay™ drives.



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ThinkSystem SR530

Ideal for small businesses up to large enterprises that require industryleading reliability, management and security, this 2-socket 1U rack server can take on a wide range of workloads, such as IT infrastructure, collaboration, and entry cloud. Featuring the second generation of the Intel Xeon Processor Scalable Family (Xeon SP Gen 2), it offers a balance of performance, capacity and value.





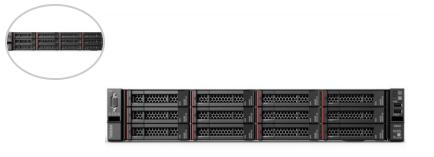
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ThinkSystem SR550

This dual-socket 2U rack server is ideal for small to large organizations that need industry-leading reliability, management, and security, as well as cost-optimized performance, storage capacity, and flexible I/O. Designed to handle distinct workloads, the SR550 server cost-effectively performs complex analytics on structured and unstructured data, speeds transactional systems, and powers through collaboration workloads with ever-growing data sets and large files shared within an organization.



It's a 2-socket 1U rack server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as the balance of performance and memory. It is designed to handle an array of workloads, such as virtualization and cloud computing, infrastructure security, web serving, and application development. The next-generation Lenovo XClarity Controller, which is built into the server, provides advanced service processor control, monitoring, and alerting functions.







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ThinkSystem SR590

A 2-socket 2U rack server, fit for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as balancing performance and expandability. The SR590 server is designed to handle diverse workloads, such as virtualization and cloud computing, IT infrastructure, enterprise applications, collaboration/email, and web serving. The next-generation Lenovo XClarity Controller, built into the server, provides advanced service processor control, monitoring, and alerting functions.



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ThinkSystem SR630 V2

Designed to handle a wide range of workloads, such as databases, virtualization and cloud computing, infrastructure security, systems management, enterprise applications, collaboration/email, streaming media, web, and HPC, the SR630 V2 supports processors in the thirdgeneration Intel Xeon scalable processor family. Supported processors have advanced features, including Intel Advanced Vector Extensions 512 that enable acceleration of enterprise-class workloads, including databases and enterprise resource planning (ERP).



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ThinkSystem SR630 V3

An ideal 2-socket 1U rack server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth. The SR630 V3 is based on the new 4th generation Intel Xeon Scalable processor family (formerly codenamed "Sapphire Rapids") and the new Intel Optane Persistent Memory 300 Series. Comes with onboard NVMe PCIe ports that allow direct connections to 16x NVMe SSDs for faster access to data.



The SR650 V2 is based on the new 3rd generation Intel Xeon scalable processor family (formerly codenamed "Ice Lake") and the new Intel Optane Persistent Memory 200 Series. Advanced features of the supported processor include Intel SGX (Software Guard Extensions) and Intel TME (Total Memory Encryption) security features. An ideal 2-socket 2U rack server, its fit for small businesses as well as for large enterprises that require industry-leading reliability, management, and security.







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ThinkSystem SR650 V3

Combining performance and flexibility, the SR650 V3 server is a great choice for enterprises. Designed to take advantage of the the 4th generation Intel Xeon Scalable processors, such as the full performance of 350W 60-core processors, support for 4800 MHz memory and PCIe Gen 5.0 support. A very configuration-rich offering, supporting more than 30 different drive bay configurations – means you can configure the server to meet the needs of your workload.



The Lenovo ThinkSystem SR670 is a 2U rack server that supports 8 highperformance GPUs including the new NVIDIA Tesla VI00. Its energyefficiency features save energy, reduce operational costs and increase energy availability. The server also delivers optimal boost for Artificial Intelligence (AI), High Performance Computing (HPC) and graphical workloads across an array of industries.





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ThinkSystem SR670 V2

Based on the new third-generation Intel Xeon scalable processor family (formerly codenamed "Ice Lake") and the new Intel Optane Persistent Memory 200 Series. Advanced features of supported processors include Intel Deep Learning Boost, which provides built-in Artificial Intelligence (AI) acceleration, Intel Hyper-Threading Technology, which boosts performance for multithreaded applications, and Intel Turbo Boost Technology 2.0, allowing processor cores to run at maximum speeds during peak workload.



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ThinkSystem SR850 V3

The ThinkSystem SR850 V3 is a 2U 4-socket server that has the capability to scale from two to four 4th Gen Intel Xeon Scalable processors that offer a 'pay as you grow' upgrade, resulting in greater system performance. With up to 16TB of system memory, the server is ideal for mission-critical systems such as enterprise virtualization, CRM, ERP, SQL databases, VDI, and small-midsized SAP HANA computing environments.



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ThinkSystem SR860 V3

Built for standard workloads such as general business applications and server consolidation, the flexible ThinkSystem SR860 V3 server supports 4th Gen Intel Xeon Scalable Gold or Platinum processors. With up to 16TB of system memory, up to 18x PCIe slots, and up to 48x 2.5-inch drive bays, handle SAP HANA in-memory computing, transactional databases, analytics, big data, and virtual machine density to stay in pace with growing IT needs.



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ThinkSystem SR645 V3

The Lenovo ThinkSystem SR645 V3 is a dense, high performance, 2-socket 1U rack server that is suitable for small businesses to large enterprises, especially cloud service providers. It supports AMD EPYC 9004 processors, up to 96 cores and up to 24 DDR5 memory DIMMs to maximize performance of the memory subsystem. The server is designed to handle a range of workloads, including VDI, enterprise applications, and database management.





ThinkSystem SR635 V3

The Lenovo ThinkSystem SR635 V3 is powered with the 4th Gen AMD EPYC processor delivering companies the speed and agility of a traditional 1S server in a 1U format. It comes with increased I/O and storage speed with up to 5 PCIe Gen4, or up to 2 Gen5 slots while at the same time supporting up to 1.5TB of TruDDR5 memory. Additionally, it offers the bandwidth and storage speed for data-intensive applications like AI, virtualization, and software-defined storage.



ThinkSystem SR665 V3

The Lenovo ThinkSystem SR665 V3 is a 2-socket 2U server that features the AMD EPYC 9004 "Genoa" family of processors. It comes with up to 96 cores per processor and supports the new PCIe 5.0 standard for I/O. Designed to run 24 hours a day, 7 days a week, this server offers hot-swap drives, supporting RAID redundancy for data protection and greater system uptime.

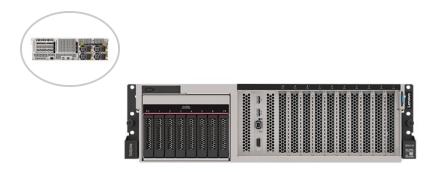




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ThinkSystem SR675 V3

This GPU-rich 3U rack server features a modular design for ultimate flexibility and efficacy. It supports up to 8 double-wide GPUs with NVLink bridges, AMD instinct MI series accelerators and up to 24 DDR5 memory. The ThinkSystem SR675 V3 server delivers performance optimized for your workload, be it visualization, rendering or computationally intensive HPC and AI.



ThinkSystem SR850

A 4-socket server featuring a streamlined 2U rack design, optimized for price and performance, with best-in-class flexibility and expandability. The SR850 now supports second-generation Intel Xeon Scalable Family processors, up to a total of four, each with up to 28 cores. Its agile design provides rapid upgrades for processors and memory, and its large, flexible storage capacity helps to keep pace with data growth.



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ThinkSystem SR850 V2

A 4-socket server that is densely packed into a 2U rack design. The SR850 V2 offers technology advances, including third-generation Intel Xeon scalable processors with support for Intel Optane Persistent Memory 200 Series, and scale-up capacity with up to 12TB of system memory, up to 7x PCIe slots, and up to 24x 2.5-inch drive bays. Its agile design permits rapid upgrades for processors and memory.



ThinkSystem SR850P

A 4-socket performance server that features a streamlined 2U rack design that is optimized for price and performance, with best-in-class flexibility and expandability. The four processors in the SR850P are configured in a mesh configuration to maximize performance in multi-threaded applications. Its agile design provides rapid upgrades for memory, and its large, flexible storage capacity helps to keep pace with data growth.



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ThinkSystem SR860 V2

A 4-socket server that features a 4U rack design with support for highperformance GPUs. The SR860 V2 offers technology advances, including third-generation Intel Xeon Scalable processors with Intel Optane Persistent Memory 200 Series, and scale-up capacity with up to 12TB of system memory, up to 14x PCIe slots, and up to 48x 2.5-inch drive bays.



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ThinkSystem SR950 V3

Designed for maximum performance, the ThinkSystem SR950 V3 server is ideal for the most demanding SAP HANA deployments, providing superior capability and greater business value; thus allowing organizations to make faster, more informed decisions, even with escalating data loads. It consists of eight 4th Gen Intel Xeon Scalable processor family CPUs for compute intensive workloads and delivers up to 172% higher performance improvement over the first-generation system.



ThinkSystem SN550 V2

Designed to run 24 hours a day, 7 days a week, the SN550 V2 is a highavailability blade server, optimized to support the next-generation microprocessor technology. The server supports one or two thirdgeneration Intel Xeon Processor Scalable processors up to 36 cores and 72 threads, and with support for up to 16 TruDDR4 memory DIMMs operating at up to 3200 MHz, customers have access to the fastest available memory subsystem.



Lenovo ThinkSystem SD650-I V3 Neptune DWC Server

This node is the next-generation high-performance server based on the fifth generation Lenovo Neptune[™] direct water cooling platform. With two 4th Gen Intel Xeon Scalable or Intel Xeon CPU Max Series processors, along with four powerful Intel Data Center Max Series GPUs, the ThinkSystem SD650-I V3 server features the latest technology from Intel, combined with Lenovo's market-leading water-cooling solution, which results in extreme performance in an extreme dense packaging, supporting your application from Exascale to Everyscale[™].



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ThinkSystem SD630 V2

A dense and economical two-socket server in a 0.5U rack form factor, combining the efficiency and density of blades with the value and simplicity of rack-based servers. The SD630 V2 delivers a cost-efficient scale-out platform that is thermally designed to deliver maximum performance in the smallest footprint. The solution consists of a 2U ThinkSystem DA240 Enclosure containing up to four front-access SD630 V2 servers (nodes). Each node incorporates two third-generation Intel Xeon Scalable processors.







ThinkSystem SD650 V2

Based on our fourth generation Lenovo Neptune direct water colling (DWC) platform leveraging two 3rd Gen Intel Xeon Scalable processors with NVIDIA HDR InfiniBand networking, Lenovo ThinkSystem SD650 V2 enables data centers to run more efficiently while maintaining uncompromised performance and preserving a dense data center footprint.





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ThinkSystem SD650 V3 Neptune DWC Server

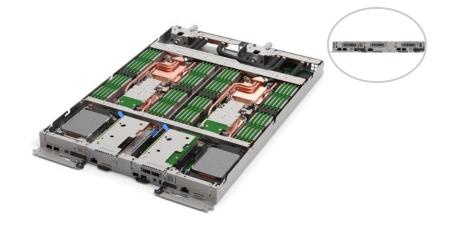
The ThinkSystem SD650 V3 Neptune Direct Water Cooled (DWC) is the next-generation high-performance server. It is based on the 5th Gen Lenovo Neptune direct water cooling platform and comes with 2 4th Gen Intel Xeon scalable processors. The DWC technology reduces data center energy costs by up to 40% and thereby increased system performance by up to 10%. It also enables data center growth without adding computer room air conditioning.





ThinkSystem SD650 V3 server

The ThinkSystem SD650 V3 Neptune DWC node is the next-generation high-performance server based on the fifth generation Lenovo Neptune[™] direct water cooling platform. With two 4th Gen Intel Xeon Scalable processors or two Intel Max Series processors, the server combines the latest Intel processors and Lenovo's market-leading water-cooling solution, which results in extreme performance in an extreme dense packaging, supporting your application from Exascale to Everyscale[™].



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ThinkSystem SD650-I V3 Server

Cooled by 5th Gen Lenovo Neptune direct water cooling technology, the ThinkSystem SD650-I V3 server delivers optimized performance. It is powered by 2 4th Gen Intel Xeon Scalable processors with the capability to be accelerated by 4 Intel Data center GPU max. The device also leverages copper and brazed connections to guarantee leak-free operations at scale even with higher pressure.





ThinkSystem SD650-N V2

Our next-generation high-performance GPU-rich server based on Lenovo's fourth generation Lenovo Neptune[™] direct water-cooling platform. With four NVIDIA Al00 SXM4 GPUs and two third-generation Intel Xeon Scalable processors, the server delivers extreme performance in an extreme dense packaging, supporting your application from Exascale to Everyscale[™].





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ThinkSystem SD650-N V3

The ThinkSystem SD650-N V3 is built on 5th Gen Lenovo Neptune™ direct water-cooling platform, featuring NVIDIA HGX™ H100 4-GPU acceleration and NVIDIA NDR InfiniBand networking. With two 5th Gen Intel® Xeon® Platinum processors at its core, this system offers impressive memory bandwidth capacity, a high core count, and robust cores, providing a well-rounded solution that enhances performance across various HPC workloads.





ThinkSystem SD665 V3

The ThinkSystem SD665 V3 is the next-generation server based on the 5th gen Lenovo Neptune direct water cooling platform. Each SD665 V3 node supports two 4th gen AMD EPYC processors, 24 x TruDDR5 DIMMs, up to two PCIe 5.0 slots for high-speed I/O, and up to two drive bays, in a half-wide 1U form factor. Its unique design provides optimal balance of serviceability, performance, and efficiency.





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Edge Servers

ThinkSystem SD665-N V3

With one or two fourth-generation AMD EPYC processors and 4 powerful NVIDIA H100 Tensor Core GPUs, the ThinkSystem SD665-N V3 server delivers high-performance in an extreme dense packaging. It implements Lenovo Neptune™ Direct Water Cooling (DWC) technology to reduce data center energy costs, increase system performance and optimally support workloads for technical computing, grid deployments and analytics.



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ThinkEdge SE350 V2

The ThinkEdge SE350 V2 is an Intel® Xeon® D-2700-based 1U height, half-width, and short-depth Edge server. It can be hung on a wall or ceiling, standalone on a desk, or mounted in a rack. This rugged Edge server is designed to virtualize traditional IT and OT applications as well as new transformative Edge computing systems, providing the processing power, storage, and networking techniques required for today's Edge workloads.



ThinkSystem SE350

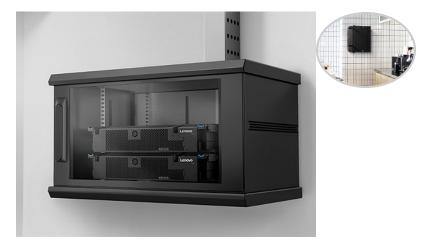
The SE350 is a purpose-built server that is half the width and significantly shorter than a traditional server, making it ideal for deployment in tight spaces. It can be mounted on a wall or in a rack, as well as stacked on a shelf. This server puts increased processing power, storage and network closer to where data is generated, allowing actions resulting from the analysis of that data to take place more quickly.



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ThinkSystem SE450

The Lenovo ThinkEdge SE450 is a 1-socket 3rd Gen Intel® Xeon® Platinum processor-based server, with a 2U height and short depth case that can go almost anywhere. Equipped to handle continuous operating temperatures from 5°C and 45°C, this powerful yet quiet server virtualizes traditional IT applications as well as new transformative AI systems, with the processing power, storage and networking technologies required for today's edge workloads.



ThinkAgile

The Lenovo ThinkAgile family of products are engineered to simplify user experience. Pre-integrated, prebuilt and pre-tested offerings accelerate application deployment and add robust capabilities to your data center faster. All ThinkAgile solutions can be easily managed through a full integration of Lenovo XClarity into the original software vendor management software for the easiest and seamless operational daily tasks.

ThinkAgile SXM Lenovo ThinkAgile SXM is a rack-scale solution optimized with a resilient, high-performing, and secure software-defined infrastructure (SDI). It	ThinkAgile MX Storage Spaces Direct technology, Lenovo servers and the latest Intel technology deliver HCI building blocks for your infrastructure. Certified	ThinkAgile HX Customers can run any workload, at any scale, all the time. Nutanix software with Lenovo's Number 1 reliable, high performing platforms	ThinkAgile VX ThinkSystem servers and VMware vSAN hyperconverged software deliver a modern risk- free IT infrastructure with accelerated
		ThinkAgile HX1000/2000 Series (Intel)	ThinkAgile VX2000 Series (Intel)
	ThinkAgile MX1000	ThinkAgile HX3000 Series (Intel/AMD)	ThinkAgile VX 3000 Series (Intel/AMD)
	ThinkAgile MX3000 Series	ThinkAgile HX5000 Series	ThinkAgileVX 5000 Series (Intel/AMD)
ThinkAgile SXM4000 Series		ThinkAgile HX6000	ThinkAgile VX6000
ThinkAgile SX6000 Series		ThinkAgile HX7000 Series	ThinkAgile VX7000 Series (2 Socket) Intel/AMD
			ThinkAgile VX 7000 Series (4/8 socket) Intel

your own data center, enables rapid development and iteration of applications with on-premises deployment tools to help transform your organization, and ensures unified application development across your entire hybrid cloud environment.

components and deployment/ update features built into Windows Admin Center help business deploy quickly and easily.

consolidate compute, storage and virtualization software into a resource pool that's easily managed.

deplovment for a faster time-to-value. end support includes hardware installation, onsite repair, and installation of all replacement parts.

ThinkAgile SXM6400

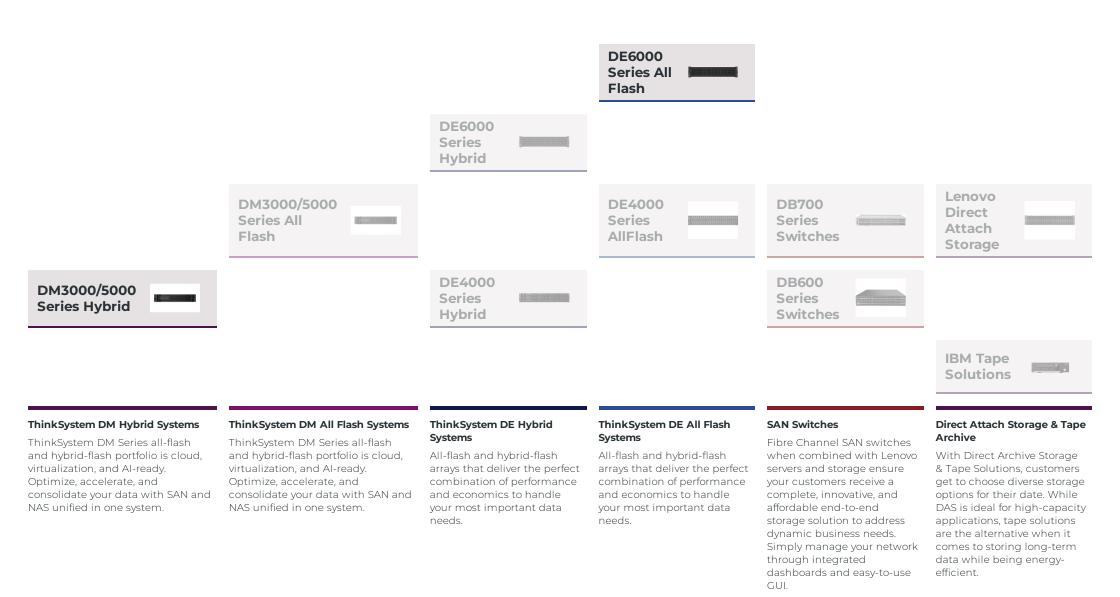
The server, scalable to 16 nodes delivers a pre-integrated, easy-to-deploy rack-level solution for hybrid cloud to reduce time-to-value and total cost of ownership (TCO). The SXM6400 server is powered by up to 2x Intel Xeon scalable processor and offers a memory of up to 64GB – Ideal for virtual desktop infrastructure (VDI), back-office applications, server consolidation, enterprise applications, databases, test and development environments, and cloud implementation.





Storage

Lenovo offers a wide range of enterprise grade storage solutions that address the ever-growing needs of businesses, fit into existing budget, and ensure data is ready when it is needed. Our storage offerings include key data efficiency features like data compression and compaction along with thin provisioning and data encryption, all through a user-friendly interface.



ThinkSystem DE All Flash Systems

DM3000H

ThinkSystem DM3000H offers unmatched performance, capacity and high availability for small enterprises and remote offices or branch offices of large enterprises. Powered by the ONTAP software, it delivers enterpriseclass storage management capabilities with a wide choice of host connectivity options, flexible drive configurations, and enhanced data management features. It also offers unified file and block storage connectivity with support for 1 GbE or 10 GbE NAS.



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ThinkSystem DE6600F

The Lenovo ThinkSystem DE6600F is a 2U rack form-factor with 24 small form-factor NVMe drives and 2 controllers. It delivers superior performance with sub-100 microsecond response for the most-demanding enterprise applications. With a range of host connectivity and drive configuration features, the DE6600F can handle Artificial Intelligence, Big data analytics, Oracle/SQL databases, high performance computing and real-time analytics.







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Smarter technology for all