

# LENOVO FOR THE DATA CENTER AND BEYOND

## ThinkAgile

Sub-Series	VX Series	HX Series	MX Series	SX Series
Software	VMware vSAN	Nutanix	Microsoft Azure Stack HCI	Microsoft Azure Stack Hub
Model	Integrated Systems, Certified Nodes	Integrated Systems, Certified Nodes	Integrated Systems, Certified Nodes	-
Target Workloads	ThinkAgile solutions simplify IT infrastructure and accelerate time to value, freeing you to focus on your core business			
Form factor	1U/ 2U	1U/ 2U	1U/ 2U	Full rack
Processors	5th Gen Intel® Xeon® Scalable 4th Gen AMD EPYC™	5th Gen Intel® Xeon® Scalable 4th Gen AMD EPYC™	5th Gen Intel® Xeon® Scalable	4th Gen Intel® Xeon® Scalable

## Tower Servers

Lenovo Model	ST50 V2	ST250 V2	ST250 V3	ST650 V2	ST650 V3
Rack Units	4U	4U	4U	4U	4U
Typical Workloads	Business applications, collaboration, and web applications	Business applications, collaboration, system management, and web	SMB Applications, IT Infrastructure, Edge Computing	Small businesses up to large enterprises that need industry-leading reliability, management, and security	Small businesses up to large enterprises that need industry-leading reliability, management, and security
Processor	1x Intel® Xeon® E-2300, 8 cores max	1x Intel® Xeon® E-2300, 8 cores max	1x Intel® Xeon® E-2400, 8 cores max	2 x 3rd Gen Intel® Xeon® Scalable processors, 36 cores max	Up to 2 x 4th Gen Intel® Xeon® Scalable processors 250W
Memory Maximum	128GB	128GB	128GB	4TB	4TB
Storage Maximum (TB)	16TB	144TB	176TB	983TB	320TB

## High End

Lenovo Model	SR850 V2	SR850 V3	SR860 V2	SR860 V3	SR950 V3
Rack Units	2U	2U	4U	4U	8U
Typical Workloads	Accommodates also high-growth areas of your business such as database and virtualization efforts	SAP HANA, ERP, CRM, Data Warehouse, Database, BI, Analytics, AI	Mission critical workloads, transactional databases, analytics, big data, and virtual machine density	SAP HANA, ERP, CRM, Data Warehouse, Database, BI, Analytics, AI	SAP HANA, databases, Big Data, business analytics, ERP & CRM, business logic, and virtualization
Processor	4 x 3rd Gen Intel® Xeon® Scalable processors, 28 cores max	Two or four 4th Gen Intel® Xeon® Scalable processors, up to 350W	4 x 3rd Gen Intel® Xeon® Scalable processors, 28 cores max	Two or four 4th Gen Intel® Xeon® Scalable processors, up to 350W	8x 4th Gen Intel® Xeon® Scalable processors 350W
Memory Maximum	12TB	16TB	12TB	16TB	32TB
Storage Maximum (TB)	737TB	737TB	1475TB	1475TB	492TB

## Edge Solutions

Lenovo Model	SE350	SE350 V2	SE360 V2	SE450	SE455 V3
Rack Units	0.5U	1U	2U	2U, 300mm or 360mm depth	2U
Typical Workloads	Edge computing, retail, video security, inventory management, building control, manufacturing, distribution	IT Infrastructure, Management Server, Small Storage Server, Web Host	IT Infrastructure, Management Server, Small Storage Server, Edge AI	Smart Manufacturing, Smart Cities, Smart Retail, Smart Telecom	AI, Telco, analytics, and critical workloads
Processor	1x Intel® Xeon® D-2100, 16 cores max	1-socket Intel® Xeon® D-2700	1-socket Intel® Xeon® D-2700	1x 3rd Gen Intel® Xeon® Platinum processor, up to 36 cores	1x AMD EPYC™ 8004 Series Processor
Memory Maximum	256GB	256GB	256GB	1.5TB	576GB
Storage Maximum (TB)	16TB	16TB	16TB	30.72TB	92.16TB

Due to space constraints, some older systems that are still available are not displayed on the poster.

## Rack Servers

Lenovo Model	HS350X V3	SR250 V2	SR250 V3	SR630 V2	SR630 V3	SR635 V3	SR645 V3
Rack Units	2U	1U	1U	1U	1U	1U	1U
Typical Workloads	Big data analytics, Multimedia streaming, AI/data lakes	IT infrastructure, web, cloud, virtualization, and database	IT Infrastructure, Web Host, Virtualization, Edge Server (IoT)	IT infrastructure, web, cloud, virtualization, and database	Databases, virtualization and cloud computing, infrastructure security, streaming media, web, and HPC	HPC, 5G/Networking, AI/ML operation, VDI, Distributed Workloads	Virtualization, Cloud hosting, Database
Processor	1x 4th or 5th Gen Intel® Xeon® Scalable processor	1x Intel® Xeon® E-2300, 8 cores max	1x Intel® Xeon® E-2400, 8 cores max	1x Intel® Xeon® E-2300, 8 cores max	2x 5th Gen Intel® Xeon® Scalable processors, 40 cores max	Up to 2x 5th Gen Intel® Xeon® Scalable processors 350W	One 4th Gen AMD EPYC™ processor 360W
Memory Maximum	1TB	128GB	128GB	128GB	3TB	3TB	3TB
Storage Maximum (TB)	528TB	80TB	88TB	80TB	369TB	368.64TB	184.32TB

Lenovo Model	SR650 V2	SR650 V3	SR655 V3	SR665 V3	SR670 V2	SR675 V3
Rack Units	1U	2U	2U	2U	3U	3U
Typical Workloads	HPC, database, virtualization, and VDI	Enterprise IT infrastructure, HPC, AI/ML applications, Data Analytics	VDI, Virtualization, Cloud, SDS	Inference, virtualization, VDI, HPC, Hyperconverged infrastructure	Artificial Intelligence, High Performance Computing and graphical workloads across an array of industries	Generative AI, HPC and graphical workloads
Processor	Up to 2x 4th Gen AMD EPYC™ processors	Up to 2x 5th Gen Intel® Xeon® Scalable processors 350W	One 4th Gen AMD EPYC™ processor 360W	Up to 2x 4th Gen AMD EPYC™ processors	2x 3rd Gen Intel® Xeon® Scalable processors, 40 cores max	1x or 2x 4th Gen AMD EPYC™ processors
Memory Maximum	6TB	8TB	3TB	6TB	4TB	3TB
Storage Maximum (TB)	368.64TB	1228.8TB	614.4TB	1229TB	246TB	246TB

## Supercomputing Servers

Lenovo Model	SD650 V3	SD650-N V3	SD650-I V3	SD665 V3	SD665-N V3
Rack Units	2 nodes per 1U	1 node per 1U	1 node per 1U	2 nodes per 1U	1 node per 1U
Typical Workloads	High Performance Computing (HPC), AI training, heavy simulations, and modeling				
Processor	2x 5th Gen Intel® Xeon® Scalable processors per node, or 2x Intel® Max Series processors			2x 4th Gen AMD EPYC™ processors per node	
GPU	Not supported	NVIDIA HGX™ H100 4-GPU	4x Intel Xeon Max Series GPUs	Not supported	NVIDIA HGX™ H100 4-GPU
Memory Maximum	2TB	2TB	2TB	3TB	3TB
Storage Maximum (TB)	61.44TB	30.72TB	61.44TB	61.44TB	30.72TB

## DE series

Sub-Series	DE Hybrid/ All-Flash Systems				
Model	DE6000H/F	DE4000H/F	DE2000H	DE6400H/F	DE6600H/F
Target Workloads	Perfect fit for a wide range of enterprise workloads, including big data and analytics, video surveillance, technical computing, backup and recovery, and other storage I/O intensive applications				
Max Drives (HDD/SSD)	H: 480/ 120 F: - /120	H: 192/ 120 F: - / 120	H: 96/96	H: 264 drives (24 NVMe in Controller Enclosure + 240 NL-SAS HDDs) F: 120 drives (24 NVMe + 96 SAS SSD)	H: 444 drives (24 NVMe in Controller Enclosure + 420 NL-SAS HDDs) F: 120 drives (24 NVMe + 96 SAS SSD)
Max Raw Capacity	H: 8.4PB F: 1.84PB	H: 3.38PB F: 1.44PB	H: 1.47PB	H: 4687TB F: 1841.5TB	H: 7927.2TB F: 1841.8TB
Expansions Supported	H: Up to 7 DE240S, DE120S Up to 3 DE600S F: Up to 4 DE240S	H: 7x DE120S, 3x DE240S or 3x DE600S F: Up to 3 DE240S	H: Up to 3 DE240S, DE120S	H: Up to 4 DE240S, DE120S, DE600S F: Up to 4 DE240S	H: 7x DE120S, 4x DE240S or 7x DE600S F: Up to 4 DE240S
Protocols Supported	DE6000, DE4000, DE2000: FC, iSCSI, SAS DE6400, DE6600: FC, iSCSI, iSER/IB, NVMe/FC, NVMe/IB, NVMe/RoCE, and SRP/IB				

## DM series

Sub-Series	DM Hybrid/ All-Flash Systems				
Model	DM3000H	DM3010H	DM5000H/F	DM5100F	DM7100H/F
Target Workloads	Wide range of enterprise workloads, including big data and analytics, artificial intelligence, engineering and design, hybrid clouds, and other storage I/O intensive applications				
Max Drives (SSD)	H: 144	H: 144	H: 144 F: 144	F: 48 NVMe	H: 720 F: 480 (48 NVMe + 432 SAS)
Max Raw Capacity	H: 2.3PB	H: 2.3PB	H: 1.917PB F: 2.2PB	F: 737.28TB	H: 11.2PB F: 7.36PB
Expansions Supported	H: DM240S, DM120S, DM600S F: DM240S (only DM7100, DM5100); DM240N (only DM7100, DM5100).				
Protocols Supported	H: FC, iSCSI, NFS, pNFS, CIFS/SMB, S3 F: FC, iSCSI, NFS, pNFS, SMB, NVMe/FC (only DM7100, DM5100), ONTAP S3.				

## Multinode Servers

Lenovo Model	SD530 V3	SD550 V3
Rack Units	1U	2U
Typical Workloads	AI, Cloud and High-Performance Computing application	
Processor	Up to 2x 5th Gen Intel® Xeon® Scalable processors	
Memory Maximum	1TB	2TB
Storage Maximum (TB)	30.72TB	92.16TB

## DG series

Sub-Series	DG All-Flash systems	
Model	DG5000	DG7000
Target Workloads	Ideal for a variety of applications such as data lakes, backup consolidation, media and rendering, and analytics	
Max Drives (SSD)	48	96
Max Raw Capacity	737TB	1.47PB
Expansions Supported	1x DG240N 2U24	4x DG240N 2U24
Protocols Supported	NVMe/TCP, NVMe/FC, FC, iSCSI, NFS, pNFS, CIFS/SMB, S3	

Lenovo

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