LENOVO FOR THE DATA CENTER AND BEYOND

Tower Servers

Lenovo Model	ST50	ST50 V2	ST250	ST250 V2	ST550	ST650 V2
Rack Units	4U	4U	4U	4U	4U	4U Tower
Typical Workloads	Small-to-medium-sized business office applications, and remote office/branch office (ROBO) or retail applications.	Business applications, collaboration, and web applications.	Web serving, system management, and near-side data backup, blockchain, remote office/branch office (ROBO), retail applications.	Business applications, collaboration, system management, and web.	Email, file/print, private cloud, VDI, web serving, remote office/branch office (ROBO), retail applications.	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.
Processor	1 x Intel Xeon E-2200, 6 cores max.	1 x Intel Xeon E-2300, 8 cores max.	1 x Intel Xeon E-2200, 8 cores max.	1 x Intel Xeon E-2300, 8 cores max.	2 x Intel 2nd/3rd Generation Xeon Scalable Processor, 16 cores max.	2 x Intel 3rd Generation Xeon Scalable Processor, 36 cores max.
Memory Maximum	64GB	64GB	128GB	128GB	768GB	4TB
Storage maximum (TB)	32TB	16TB	144TB	144TB	154TB	492TB

High End

Lenovo Model	SR850	SR850P	SR850 V2	SR860 V2	SR950
Rack Units	2U	2U	2U	4U	4U
Typical Workloads	Business applications, server consolidation, database, virtualization.	Business applications, server consolidation, database, virtualization.	Mission critical workloads scaling up from 2S systems such as enterprise virtualization, CRM, ERP, SQL databases, VDI and small-mid sized SAP HANA computing environments.	Mission critical workloads such as SAP HANA in-memory computing, transactional databases, deep learning, analytics, big data, and virtual machine density.	Virtualization, analytics, database, HPC, VDI, mission-critical applications.
Processor	4 x Intel 2nd Generation Xeon Scalable Processor, 28 cores max.	4 x Intel 2nd Generation Xeon Scalable Processor, 28 cores max.	4 x Intel 3rd Generation Xeon Scalable Processor, 28 cores max.	4 x Intel 3rd Generation Xeon Scalable Processor, 28 cores max.	8 x Intel 2nd Generation Xeon Scalable Processor, 28 cores max.
Memory Maximum	6TB	6TB	6TB	6TB	24TB
Storage maximum (TB)	246TB	123TB	369TB	737TB	369TB

Rack Servers

Lenovo Model	SR250	SR250 V2	SR635	SR655	SR645	SR665	SR530
Rack Units	1U	1U	1U	2U	1U	2U	1U
Typical Workloads	Web serving, virtualization, entry-cloud and data-analytics applications, blockchain, media streaming.	IT infrastructure, web, cloud, virtualization, and database.	Database, HPC, software-defined storage, SMB/ROBO.	AI inference, VDI, video analytics, software-defined storage, network workloads (packet inspection, etc.)	HPC, database, virtualization, VDI.	Inference, virtualization, VDI, HPC, HCI.	Email, file/print, public/private cloud, Web serving.
Processor	Intel Xeon E-2200, 8 cores max.	1 x Intel Xeon E-2300, 8 cores max.	1 x AMD EPYC 7002/7003, 64 cores max.	1 x AMD EPYC 7002/7003, 64 cores max.	2 x AMD EPYC 7002, 7003, 64 cores max.	2 x AMD EPYC 7002, 7003, 64 cores max.	2 x Intel 2nd Generation Xeon Scalable Processor, 16 cores max.
Memory Maximum	128GB	128GB	2TB	2TB	4TB	4TB	768GB
Storage maximum (TB)	77TB	72TB	369TB	369TB	185TB	492TB	123TB

Edge Solutions

Lenovo Model	SE350	SE450
Rack Units	0.5U	2U short depth 300mm or short depth 360mm
Typical Workloads	Edge computing (IoT, AI, machine learning), retail, video security, inventory management, building control, telecommunications, manufacturing, distribution.	GPU rich, CPU intensive edge applicat ions including Smart Manufacturing, Smart Cities. Smart Retail, Smart Telecom.
Processor	1 x Intel Xeon D-2100, 16 cores max.	1 x Intel 3rd Generation Xeon Scalable Processor, 36 cores max.
Memory Maximum	256GB	1TB
Storage maximum (TB)	16TB	Up to 6x 2.5" 7mm drives, up to 6x NVMe, 2xM.2 Boot drives.

Lenovo Model	SR550	SR570	SR590	SR630 V2	SR650 V2	SR670 V2
Rack Units	2U	1U	2U	1U	2U	3U
Typical Workloads	Email, file/print, public/private cloud, Web serving, media streaming.	Email, file/print, web serving, public/private cloud, virtualization, HPC, big data, VDI.	Email, file/print, web serving, public/private cloud, virtualization, HPC, big data, VDI, media streaming.	The SR630 V2 is 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 SR650 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.	The server delivers optimal performance for Artificial Intelligence (AI), High Performance Computing (HPC) and graphical workloads across an array of industries. Retail, manufacturing, financial services and healthcare industries can leverage the processing power of the GPUs in the SR670 V2 to extract greater insights and drive innovation utilizing machine learning (ML) and deep learning (DL).
Processor	2 x Intel 2nd Generation Xeon Scalable Processor, 16 cores max.	2 x Intel 2nd Generation Xeon Scalable Processor, 16 cores max.	2 x Intel 2nd Generation Xeon Scalable Processor, 16 cores max.	2 x Intel 3rd Generation Xeon Scalable Processor, 40 cores max.	2 x Intel 3rd Generation Xeon Scalable Processor, 40 cores max.	2 x Intel 3rd Generation Xeon Scalable Processor, 40 cores max.
Memory Maximum	768GB	1TB	1TB	8TB	8TB	4TB
Storage maximum (TB)	246TB	154TB	252TB	185TB	492TB	123TB

DE series

Sub-Series	DE Hybrid Systems		
Model	DE6000H	DE4000H	DE2000H
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.	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.	Perfect fit for small offices and remote/branch offices of large enterprises that run a wide range of workloads, including big data and analytics, video surveillance, technical computing, backup and recovery, and other storage I/O-intensive application.
Max Drives (HDD/SSD)	480/120	192/120	96/96
Maximum Raw Capacity per HA Pair	8.64PB	3.46PB	1.73PB
Expansions Supported	Up to 7 DE240S, DE120S Up to 3 DE600S	Up to 7 DE240S, DE120S Up to 3 DE600S	Up to 3 DE240S, DE120S
Protocols Supported	FC, iSCSI, SAS		

DM series

Sub-Series	DM Hybrid Systems		
Model	DM7100H	DM5000H	DM3000H
Target Workloads	Hybrid Cloud, Artificial Intelligence, Big Data Analytics, Engineering and Design.	Artificial Intelligence Data Analytics Enterprise Applications Engineering and Design.	Virtualization Microsoft Solutions Backup & Recovery File Services.
Max Drives per HA Pair (HDD/SSD)	720	144	144
Maximum Raw Capacity per HA Pair	11.2PB	720	720
Expansions Supported	DM240S, DM120S, DM600S		
Protocols Supported	FC, iSCSI, NFS, pNFS, CIFS/SMB, S3		

Sub-Series	DM All-Flash Systems		
Model	DM7100F	DM5100F	DM5000F
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 application.	Wide range of enterprise workloads, including big data and analytics, artificial intelligence, engineering and design, enterprise applications, and other storage I/O-intensive applications.	Wide range of enterprise workloads, including big data and analytics, artificial intelligence, engineering and design, enterprise applications, and other storage I/O-intensive applications.
Max Drives per HA Pair (HDD/SSD)	480 (48 NVMe + 432 SAS)	48 NVMe	144
Maximum Raw Capacity per HA Pair	7.37PB	737.28TB	2.2PB
Expansions Supported	DM240S, DM240N	DM240N	DM240S
Protocols Supported	FC, iSCSI, NFS, pNFS, SMB, NVMe/FC, S3	FC, iSCSI, NFS, pNFS, SMB, NVMe/FC, S3	FFC, iSCSI, NFS, pNFS, SMB, S3

Sub-Series	DE All-Flash Systems	
Model	DE6000F	DE4000F
Target Workloads	Perfect fit for a wide range of enterprise workloads, including big data and analytics, technical computing, and other storage I/O-intensive applications.	Perfect fit for a wide range of enterprise workloads, including big data and analytics, technical computing, and other storage I/O-intensive applications.
Max Drives (SSD)	120	120
Maximum Raw Capacity per HA Pair	1.84PB	1.84PB
Expansions Supported	Up to 4 DE240S	Up to 4 DE240S
Protocols Supported	FC, iSCSI, SAS	

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