

TOWER SERVERS



THINKSYSTEM ST550

- Up to 2 second-generation Intel® Xeon® Platinum processors
- 4U tower/under-desk/desk-side/rack-mount
- Up to 768GB memory/12 DIMM slots
- Up to 2 high-performance GPUs
- Lenovo AnyBay U.2/SAS/SATA drive support



THINKSYSTEM ST250

- Intel® Xeon® E-2100 processor, up to 6 cores at 95W
- 2666MHz TruDDR4 memory (4 UDIMMs; 64GB capacity)
- Flexible enterprise storage options with up to 16x 2.5" hot-swap or 8x 3.5" hot-swap and simple-swap drive bays
- Integrated systems management withLenovo XClarity
- 4U chassis with optional rack-mount kit
- Tool-free design enables easy self service



THINKSYSTEM ST50

- Intel® Xeon® E-2100 processor, up to 6 cores at 95W
- TruDDR4 2666MHz (4 UDIMMs; 64GB capacity)
- 4x 3.5" HDD bays support hybrid HDD and SSD configurations
- Easy setup, firmware and remote server management with Intel Active Management Technology 12.0
- Small tower form factor
- Optional Lenovo XClarity Provisioning Manager Lite (USB version)

RACK SERVERS

THINKSYSTEM SR650



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Supports Intel® Optane™ DC Persistent Memory
- Flexible 2U rack server
- 3TB with DRAM or up to 7.5TB with Optane
- Lenovo AnyBay U.2/M.2/SSD/HDD drive support

THINKSYSTEM SR670



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Up to 4 full-height, full-length, double-wide GPUs/accelerators
- Up to 8 half-height, half-length, single-wide GPUs/accelerators
- Up to 24 DIMM sockets
- Support for Mellanox EDR InfiniBand, Intel 2x 10GbE & Intel 2x 1GbE networking

THINKSYSTEM SR630



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Supports Intel® Optane™ DC Persistent Memory
- 3TB with DRAM or up to 7.5TB with Optane
- Lenovo AnyBay U.2/M.2/SSD/HDD drive support
- Up to 10x 2.5" NVMe drives

THINKSYSTEM SR570



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Supports Intel® Optane™ DC Persistent Memory
- Up to 1TB TruDDR4 LRDIMMs in 16 slots
- Up to 4x 3.5" or 10x 2.5" drives (including optional 4x AnyBay)
- Up to 4x 2.5" NVMe drives (in AnyBay 2.5" bays)

THINKSYSTEM SR590



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Up to 1TB of 2933MHz TruDDR4 memory in 16 slots
- Up to 14x 3.5" drives or 16x 2.5" drives (including optional 4x AnyBay)
- Up to 4x 2.5" direct-connect NVMe drives (in AnyBay bays)

THINKSYSTEM SR550



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Up to 125W CPUs
- Next-gen 2U rack server design
- Up to 768GB in 12 DIMM slots of 2933MHz TruDDR4 memory
- M.2/SSD/HDD drive support

THINKSYSTEM SR530



- Up to 2 second-generation Intel® Xeon® Platinum processors
- Up to 768GB; 12 DIMM slots/64GB 2933 MHz; TruDDR4 memory
- Up to 125W CPUs
- Next-generation 2U rack server
- M.2/SSD/HDD drive support

THINKSYSTEM SR250



- Intel® Xeon® E-2100 processor up to 6 cores at 95W
- Up to 64GB TruDDR4 memory at 2666MHz
- Flexible storage - M.2 drives and up to 4x3.5" or 10x2.5" hotswap HDDs/SSDs, including up to 2 NVMe drives
- Supports optional NVIDIA Quadro P620 GPU
- Optional redundant power supply units
- Lenovo XClarity management for easy enterprise management

FLEX SYSTEM BLADES

THINKSYSTEM SN550



- 2-socket ThinkSystem single-wide blade; 14 per chassis
- Up to 2 second-generation Intel® Xeon® Platinum processors
- Up to 28 cores per CPU
- Up to 3TB maximum memory, using 128GB at 2933MHz
- Up to 2x 2.5" hot-swap storage bays; SAS/SATA/NVMe/U.2 + M.2

THINKSYSTEM SN850



- 4-socket double-width blade; 7 per chassis
- Up to 4 second-generation Intel® Xeon® Platinum processors
- Up to 165W/28 cores per CPU
- Up to 6TB max memory using 128GB DIMMs at 2933MHz
- Up to 4x 2.5" hot-swap bays, SAS/SATA/U.2 + M.2

MISSION CRITICAL

THINKSYSTEM SR950



- Up to 8 second-generation Intel® Xeon® Platinum processors
- Supports Intel® Optane™ DC Persistent Memory
- Up to 205W/28 cores per processor
- Next-generation 4U rack server
- Up to 24TB, in 96 DIMM slots
- Up to 12 front NVMe storage slots

THINKSYSTEM SR860



- 2 or 4 second-generation Intel® Xeon® Platinum processors
- Up to 6TB DDR4 memory in 48 slots
- Supports Intel® Optane™ DC Persistent Memory
- Up to 165W/28 cores per CPU
- Up to 11 PCIe slots plus LOM

THINKSYSTEM SR850



- Up to 4 second-generation Intel® Xeon® Platinum processors
- Supports Intel® Optane™ DC Persistent Memory
- Up to 205W per CPU
- Next-generation 2U rack server
- Up to 9 PCIe slots plus LOM
- Up to 6TB RAM in 48 DIMM slots

LENOVO THINKSYSTEM SERVER FAMILY

Application	ST550	ST250	ST50	SR650	SR670	SR630	SR570	SR590	SR550	SR530	SR250	SN550	SN850	SR950	SR860	SR850
Form Factor	Tower, can be converted to rack	Tower, can be converted to rack	Tower, can be converted to rack	2U Rack	2U Rack	1U Rack	1U Rack	2U Rack	2U Rack	1U Rack	1U Rack	Single Wide Blade	Double Wide Blade	4U Rack	4U Rack	2U Rack
Processors	Xeon Scalable (1st or 2nd Gen)	Xeon E-2100 (Up to 6 Core)	Xeon E-2100 (Up to 6 Core)	Xeon Scalable (1st or 2nd Gen)	Xeon Scalable	Xeon Scalable (1st or 2nd Gen)	Xeon E-2100 (Up to 6 Core)	Xeon Scalable (1st or 2nd Gen)								
Number of processors	Up to 2	1	1	Up to 2	2	Up to 2	Up to 2	Up to 2	Up to 2	Up to 2	1	1 or 2	2 or 4	2, 4 or 8	2 or 4	2 or 4
Max CPU Power	125W	95W	80W	205W	205W	205W	150W	150W	125W	125W	95W	165W	165W	205W	205W	205W
3.5" Drive Bays	8	8	4	12 Front and up to 2 rear	0	4	4	12 Front and up to 2 rear	12	4	4	0	0	0	0	0
2.5" Drive Bays	20	16	0	24	8	10 Front and 2 rear	10	16	16	8	10	2	4	24	16	16
Max U.2 Drives	4	0	0	24	0	10	4	4	0	0	2	2	4	12	8	8
DIMM slots	12	4	4	24	24	24	16	16	12	12	2	24	48	96	48	48
Memory Speed	2933	2666	2666	2933	2666	2933	2933	2933	2933	2933	2666	2933	2933	2933	2933	2933
Supports Optane	No	No	No	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes
Max Memory with DRAM	768GB	64GB	64GB	3TB	768GB	3TB	1TB	1TB	768GB	768GB	64GB	3TB	6TB	24TB	6TB	6TB
Max Memory with Optane	NA	NA	NA	7.5TB	NA	7.5TB	2.75TB	2.75TB	NA	NA	NA	7.5TB	15TB	36TB	15TB	15TB

Special Features & Standard Workloads	Email, File & Print Private Cloud Virtualization VDI Web Servicing	IT Infrastructure: Email/ File/ Print/ FTP server Basic web serving General IT infrastructure & system management Near side data backup General business applications Retail Point-of-Sale	Intel AMT technology IT Infrastructure: Email/ File/ Print Basic web serving General IT infrastructure & system management Near side data backup Collaboration Retail Point-of-Sale	Private / Public Cloud, Virtualization HPC Analytics Big Data VDI Email, File & Print Web Servicing Database	Supports 4 Double Wide GPUs and up to 2 high speed interconnects Artificial Intelligence (AI) Training / Model Development Machine Learning Deep Learning Hybrid Cluster (HPC & AI)	Private / Public Cloud, Virtualization HPC Analytics Big Data VDI Email, File & Print Web Servicing Database	Email, File & Print Web Servicing Private / Public Cloud Virtualization Big Data VDI HPC	Email, File & Print Web Servicing Private / Public Cloud Virtualization Big Data VDI Database	Email, File & Print Private / Public Cloud Big Data Web Servicing	Email, File & Print Private / Public Cloud Web Servicing	IT Infrastructure: Email/ File/ Print/ FTP server Basic web serving System management Small Storage/ Near-side data backup Edge Server (IoT/ Entry Cloud Gateway Server Virtualization Data Analytics	General purpose, scale out virtualisation engine with high speed blade-to-blade networking Private Cloud Virtualization VDI Service Provider Hosting	Larger capacity virtualisation blade suitable for more demanding VMs Private Cloud Virtualization VDI Service Provider Server and VM Database	Scalable up to 8 sockets Virtualization Real-time Analytics ERP CRM Large Databases OLTP Decision Support Server and VM Consolidation Large Memory VMs	Support for 2 GPUs Virtualisation SMP VDI Database	Virtualization Analytics Databases Big Data Server and VM Consolidation Large Memory VMs
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LEARN MORE



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Intel® Xeon® Scalable processors



Windows Server

Lenovo