

ThinkAgile VX Series

Simplify IT infrastructure and accelerate time-to-value



VX Series models above: VX3320 top, VX7520 middle and VX3720 bottom

vSAN Hyperconverged Architecture

Differentiating yourself from the competition is vital in today's fast-moving business environment. To support your business, IT systems must be simple, agile, and cost-effective so you can meet your customers' requirements to always be online. Lenovo ThinkAgile VX Series enables you to meet these requirements by focusing on the business outcome you require, rather than on building your infrastructure.

ThinkAgile VX Series, powered by VMware vSAN, is available in several models. Each is preconfigured, pretested, and optimized to provide the simplest way to bring a new VMware hyperconverged environment online. VX Series can integrate easily into an existing VMware environment.

Designed for any size business from SMBs through large enterprises, VX Series can be used as infrastructure for remote office/branch office (ROBO) and retail stores as well as virtual desktop infrastructure (VDI) and enterprise applications.

Buying vs. Building Infrastructure

Typically, VMware vSAN installation is very much a do-it-yourself project. Customers must configure, test, debug, optimize and validate on their own. However, ThinkAgile VX Series eliminates all of that time and effort by completing those steps before it leaves the factory.

VX Series arrives with the hardware configured, software installed, and the option of having Lenovo professional services to integrate it into your environment. This makes VX Series easy to deploy, provides faster time-to-value, and reduces your costs. VX Series includes powerful lifecycle management capabilities via vSphere Lifecycle Manager (vLCM). vLCM speeds deployment, simplifies patching and updating software, and offers task automation. This enables you to free up valuable personnel for more productive tasks.

VX Series is simple to manage and operate. With compute, storage, and virtualization resources integrated into a single node, it enables you to dramatically simplify your infrastructure by pooling multiple sets of node resources into a single virtual structure for more efficient utilization and management. Plus, the infrastructure scales rapidly to meet the growing needs of your business.

Lenovo

There is no need for expensive IT overprovisioning. You can wait until you actually need additional resources before paying for them.

Flexibility and Choice

ThinkAgile VX Series comes in a wide range of platforms and provides the flexibility to configure the system you need to meet any use-case. Both all-flash and hybrid platforms are supported.

- **VX 2000 Series** — General-purpose 1U 1-node platform optimized small and medium businesses.
- **VX 3000 Series** — General-purpose 1U and 2U 1-node platform and 2U 4-node platform optimized for compute-heavy applications, such as VDI. The VX3530-G 2U 1-node platform is available with GPU hardware for accelerating graphics-intensive VDI deployments.
- **VX 5000 Series** — Storage-dense 2U 1-node platform optimized for long-term, high-capacity storage requirements.
- **VX 7000 Series** — 2U and 4U platforms optimized for the highest-performance workloads, such as databases and collaboration.

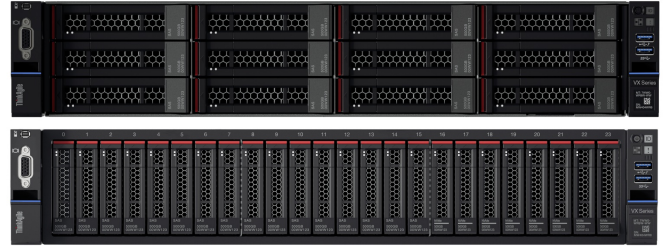
Scalability and Performance

Based on Lenovo ThinkSystem platforms that incorporate Intel® Xeon® Platinum processor family CPU's or 4th Generation AMD EPYC™ processor, VX Series allows you to start small, with as few as three nodes, and scale either by adding more storage capacity or by adding nodes one at a time. This enables you to scale capacity and performance easily and without disruption to day-to-day operations. All-flash models support inline de-duplication, compression, and encryption to give you an optimized, secure, high-performance platform with maximum usable capacity.

Fast Time-to-Business Use

All ThinkAgile platforms are delivered with Lenovo ThinkAgile Advantage. Lenovo Services will set up and configure your new solution and provide any training you need to get the system operational. Your VX Series will be up and running productively in hours instead of days or weeks.

Once your VX Series is deployed, you'll have the utmost in productivity. After all, ThinkSystem servers currently hold more than 294 world records on industry-standard benchmarks.* And dating back to 2001, Lenovo servers have achieved more than 500 world record results, demonstrating a history of performance innovation.



VX Series models above: VX3575-G top and VX5575 Integrated System bottom

Greater Reliability

A successful hyperconverged solution requires reliable server platforms. Because servers perform both the compute and pooled-storage missions, uptime is more important than ever.

For 8 years in a row, Lenovo servers have held the #1 reliability rating among all x86 server brands worldwide, according to the latest ITIC Global Server Hardware and OS Reliability Survey.[†] The independent survey polled hundreds of global businesses and Lenovo servers continue to rank at the top.

ThinkAgile Advantage Support

If you need support, Lenovo ThinkAgile Advantage gives you a direct phone line to a team of experts who support only ThinkAgile solutions. The experts will rapidly diagnose any hardware or software issues and remain with you as the single-point-of-contact throughout the entire support process.

Bottom Line

ThinkAgile VX Series enables you to simplify your IT infrastructure and drive down costs through the combination of preloaded easy-to-use software on powerful, extremely reliable hardware. All VX Series models are backed by world-class Lenovo services and support.

The perfect complement to the VX Series, Lenovo's comprehensive data center services portfolio spans the entire lifecycle of your Lenovo IT assets. Tailor your data center services to meet specific business needs and response-time targets with preconfigured support levels. Service options include assessment workshops, hardware installation, enterprise server software support, managed services, health checks, and more.

VX 2000 Series Specifications - Intel

The ThinkAgile VX 2000 Series model is available as a 1U form factor. The VX2000 series is designed to provide optimum performance and capacity for small and medium-sized business.

Model	VX2330
Target Audience	Small and medium-sized businesses
Form Factor	1U
Processor	Up to 2x 3rd Generation Intel® Xeon® Scalable processors, up to 270W
Memory	32x 128GB DIMMs at 3200 MHz
GPU	None
Drive Bays	4x 3.5" SAS/SATA 4x 3.5" NVMe
Number of Disk Groups	1
Storage Options	3x 900GB - 8TB HDDs
Software Preloaded	VMware ESXi, vSAN
Systems Management	Single pane of glass with Lenovo XClarity Integrator for VMware vCenter and VMware vSphere. Integrated management offering for discovery, monitoring, firmware updates, configurations, and workload migration.
License Options	VMware vSphere Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; HCI Kit Advanced; VMware Cloud Foundation Standard, Enterprise, Advanced HCI Kit Enterprise; 3- or 5-year support subscription
Warranty Support	3- or 5-year customer-replaceable unit and onsite service, next business day 9x5; optional service upgrades
Support	Lenovo ThinkAgile Advantage

VX 2000 Series Specifications - AMD

The ThinkAgile VX 2000 Series model is available as a 1U form factor. The VX2000 series is designed to provide optimum performance and capacity for small and medium-sized business.

Model	VX2375	VX645 V3
Target Audience	Small and medium-sized businesses	
Form Factor	1U	
Processor	2x 64 Core AMD EPYC™ 7003 Series Processors	1x or 2x 4th Gen AMD EPYC™ Processors
Memory	32x Up to 256GB DIMMs at 3200 MHz	24x DDR5 4800/5200 MHz
GPU	None	Up to 3x single-wide GPUs
Drive Bays	4x 3.5" SAS/SATA 4x 3.5" NVMe	up to 12x 2.5" hot-swap drive bays or 4x 3.5"
Number of Disk Groups	1	Up to 4 groups
Storage Options	3x 900GB - 8TB HDDs	3x 900GB - 16TB HDDs
Software Preloaded	VMware ESXi, vSAN	
Systems Management	Single pane of glass with Lenovo XClarity Integrator for VMware vCenter and VMware vSphere. Integrated management offering for discovery, monitoring, firmware updates, configurations, and workload migration.	
License Options	VMware vSphere Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; HCI Kit Advanced; VMware Cloud Foundation Standard, Enterprise, Advanced HCI Kit Enterprise; 3- or 5-year support subscription	
Warranty Support	3- or 5-year customer-replaceable unit and onsite service, next business day 9x5; optional service upgrades	
Support	Lenovo ThinkAgile Advantage	

VX 3000 Series Specifications - Intel

The ThinkAgile VX 3000 Series models are available as a 1U, 2U or 2U4N form factor with GPUs. All VX 3000 Series models are engineered for compute-heavy workloads (business applications and VDI) and are available in all-flash and hybrid models.

Model	VX3330	VX3530-G	VX3720
Target Audience	Compute-heavy, high-performance virtualization, and VDI		
Form Factor	1U	2U	2U 4N
Processor	Up to 2x 3rd Generation Intel® Xeon® Scalable processors, up to 270W	Up to 2x 3rd Generation Intel® Xeon® Scalable processors, up to 270W	Up to 2x Intel® Xeon® Gen 1 Platinum processors, up to 165W
Memory	32x 128GB DIMMs at 3200 MHz	32x 128GB DIMMs at 3200 MHz	16x slots, 2933Mhz TruDDR4
GPU	None	3x DW GPU up to 300W each 8x SW GPU up to 75W each 6x SW GPU up to 150W each	None
Drive Bays	12x 2.5" SAS/SATA 12x 2.5" NVMe	24 x 2.5" (HS)	4x 2.5" SAS/SATA 2x 2.5" AnyBay HS
Cache Drive Options	1 or 2x 400GB, 800GB, 1600GB	1 or 2x 400GB, 800GB, 1600GB	Hybrid: Up to 12 TB (5x 2.4 TB HDDs). All Flash: Up to 38.4 TB (5x 7.68 TB SSDs)
Number of Disk Groups	1 or 4	Up to 5	1 or 2
Software Preloaded	VMware ESXi, vSAN		
Systems Management	Single pane of glass with Lenovo XClarity Integrator for VMware vCenter and VMware vSphere. Integrated management offering for discovery, monitoring, firmware updates, configurations, and workload migration		
License Options	VMware vSphere Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; HCI Kit Advanced, HCI Kit Enterprise; VMware Cloud Foundation Standard, Enterprise, Advanced; 3- or 5-year support subscription		
Warranty Support	3-year customer-replaceable unit and onsite service, next business day 9x5; optional service upgrades		
Support	Lenovo ThinkAgile Advantage		

VX 3000 Series Specifications - AMD

The ThinkAgile VX 3000 Series model, featuring the latest AMD EPYC processors is available as a 1U or 2U form factor with GPUs. All VX 3000 Series models are engineered for compute-heavy workloads (business applications and VDI) and are available in all-flash and hybrid models.

Model	VX3375-G	VX3575-G
Target Audience	Compute-heavy, high-performance virtualization, and VDI	
Form Factor	1U	2U
Processor	2x 64 Core AMD EPYC™ 7003 Series Processors	
Memory	32x Up to 256GB DIMMs at 3200 MHz	32x 128GB DIMMs at 3200 MHz
GPU	Up to 3 NVIDIA GPUs	Up to 8 NVIDIA GPUs
Drive Bays	12x 2.5" SAS/SATA	24x 2.5" SAS/SATA
Cache Drive Options	5x 800GB - 7.68TB SSDs	5x 800GB - 7.68TB SSDs
Number of Disk Groups	Up to 5x	Up to 5x
Storage Options	HDDs: 14x up to 8TB SSDs: 14x up to 8TB	HDDs: 14x up to 8TB SSDs: 14x up to 8TB
Software Preloaded	VMware ESXi, vSAN	
Systems Management	Single pane of glass with Lenovo XClarity Integrator for VMware vCenter and VMware vSphere. Integrated management offering for discovery, monitoring, firmware updates, configurations, and workload migration.	
License Options	VMware vSphere Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; HCI Kit Advanced, HCI Kit Enterprise; VMware Cloud Foundation Standard, Enterprise, Advanced; 3- or 5-year support subscription	
Warranty Support	3-year customer-replaceable unit and onsite service, next business day 9x5; optional service upgrades	
Support	Lenovo ThinkAgile Advantage	

VX 5000 and VX 7000 Series Specifications - Intel

The 2U Lenovo VX 5000 Series model is engineered for storage-heavy workloads (Big Data/Analytics, email, etc.) and offers a high-capacity model. The 2U Lenovo VX 7000 Series model is engineered for high-performance workloads (for example, in-memory databases) and optimized for I/O-intensive operation.

Model	VX5530	VX7330-N	VX7530	VX7820
Target Audience	Big Data/Analytics, email, large databases, and other high-capacity storage needs	High-performance workloads such as database, email and collaboration	Databases and other high-performance storage	Databases and other high-performance storage
Form Factor	2U	1U	2U	4U
Processor	Up to 2x 3rd Generation Intel® Xeon® Scalable processors, up to 270W			4x Intel® Xeon® Gold or Platinum 2nd Gen processors.
Memory	32x 128GB DIMMs at 3200 MHz			48x DIMMs, up to 12 TB of TruDDR4 memory at 2933 MHz
Drive Bays	16 x 3.5" (HS)	12x 2.5" NVMe	40x 2.5" SAS/SATA 32x 2.5" NVMe	Up to 24x SFF hot-swap drive bays
Number of Disk Groups	1x or 5x	1x or 4x	1x to 5x	2x up to 5x
Software Preloaded	VMware ESXi, vSAN			
Systems Management	Single pane of glass with Lenovo XClarity Integrator for VMware vCenter and VMware vSphere. Integrated management offering for discovery, monitoring, firmware updates, configurations, and workload migration			
License Options	VMware vSphere Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; VMware Cloud Foundation Standard, Enterprise, Advanced; 3- or 5-year support subscription			
Warranty Support	3-year customer-replaceable unit and onsite service, next business day 9x5; optional service upgrades			
Support	Lenovo ThinkAgile Advantage			

VX 5000 and VX 7000 Series Specifications - AMD

Featuring the latest AMD EPYC™ processors, the 2U Lenovo VX 5000 Series model is engineered for storage-heavy workloads (Big Data/Analytics, email, etc.) and offers a high-capacity model. The 2U Lenovo VX 7000 Series model is engineered for high-performance workloads (for example, in-memory databases) and optimized for I/O-intensive operation.

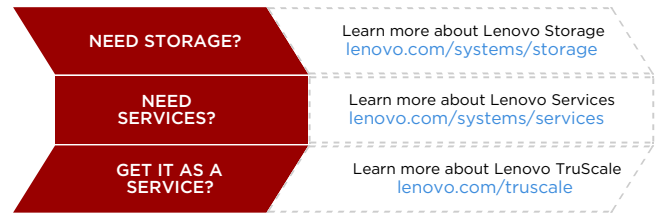
Model	VX5575 Integrated System	VX7375 Integrated System	VX7576 Node	VX7575 Integrated System	VX665 V3
Target Audience	Big Data/Analytics, email, large databases, and other high-capacity storage needs	High-performance workloads and high-capacity storage needs	High-performance workloads such as database, email and collaboration	Databases and other high-performance storage	Medium to large enterprises
Form Factor	2U	1U	2U	2U	2U
Processor	1 or 2x 64 Core AMD EPYC™ 7003 Series Processors				1x or 2x 4th Gen AMD EPYC™ Processors
Memory	32x 128GB DIMMs at 3200 MHz				24x up to 256GB at 4800 MHz (2DPC) / 5200 MHz (1DPC)
GPU	None	3x	Up to 8 NVIDIA GPUs	None	3x DW GPU up to 300W/each 8x SW GPU up to 75W/each 6x SW GPU up to 150W/each
Drive Bays	16x 3.5" SAS/SATA	12x 2.5" NVMe	36x 2.5" SAS/SATA 16x 3.5" SAS/SATA 32x 2.5" NVMe	36x 2.5" SAS/SATA 32x 2.5" NVMe	40x 2.5" (HS) 32x NVMe 16x 3.5"
Number of Disk Groups	Up to 5x	Up to 5x	Up to 5x	Up to 5x	Up to 5x
Cache	800GB - 7.68TB SSDs	1.6TB - 7.68TB SSDs		800GB - 7.68TB SSDs	800GB - 6.4TB SSDs
Storage Options	HDDs: 16x up to 8TB SSDs: 16x up to 7.68TB 36 total drives	NVMe: 800GB, 1.6TB, 3.2TB, 3.8TB, 7.6TB		HDDs: 1.2, 1.8, 2.4TB SSDs: 7.68TB	
Software Preloaded	VMware ESXi, vSAN				
Systems Management	Single pane of glass with Lenovo XClarity Integrator for VMware vCenter and VMware vSphere. Integrated management offering for discovery, monitoring, firmware updates, configurations, and workload migration				
License Options	VMware vSphere Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; VMware Cloud Foundation Standard, Enterprise, Advanced; 3- or 5-year support subscription				
Warranty Support	3-year customer-replaceable unit and onsite service, next business day 9x5; optional service upgrades				
Support	Lenovo ThinkAgile Advantage				

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.

For More Information

To learn more about Lenovo ThinkAgile VX Series, contact your Lenovo representative or Business Partner or visit lenovo.com/thinkagile



* Visit [Lenovo Servers Continue to Lead the Industry in Performance and Value](#)

† [ITIC Global Reliability Study](#).

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