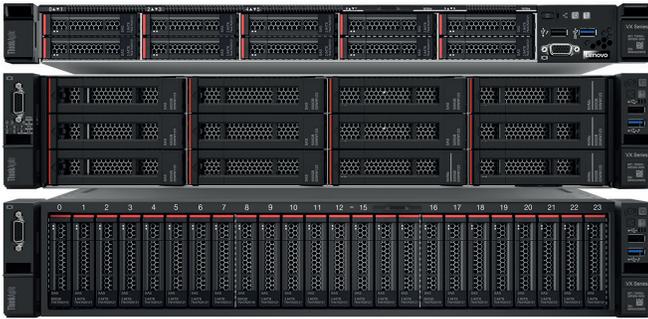


Lenovo ThinkAgile VX Series

Simplify IT infrastructure and accelerate time-to-value



VX Series models above: VX3320 top, VX5520 middle and VX7520 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 be ever 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. If you have an existing VMware environment, VX Series can integrate into it easily. 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, validate, etc., 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 at your doorstep with everything you need to get started, already configured and ready to go, and Lenovo professionals to install and configure it for you. This greatly reduces your cost and time-to-value. But that's only the beginning.

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VX Series is simple to deploy. 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, this infrastructure scales rapidly to meet the growing needs of your business. There is no need for expensive IT overprovisioning. You can wait until you actually need additional resources before you pay for them.

Flexibility and Choice

ThinkAgile VX Series comes in a wide range of platforms and offers full configure-to-order (CTO) flexibility to meet any use-case. All systems are available in either all-flash or hybrid configurations:

- **VX 3000 Series**—General-purpose 1U and 2U 1-node platform optimized for compute-heavy applications, such as VDI. Available with GPU hardware for accelerating graphics-intensive VDI deployments.
- **VX 5000 Series**—Storage-dense 2U 1-node platform optimized for fast, high-capacity storage applications, such as email, big data, and analytics
- **VX 7000 Series**—2U 1-node platform optimized for the highest-performance workloads, such as databases and collaboration.

Scalability and Performance

Based on Lenovo ThinkSystem platforms that incorporate powerful Intel® Xeon® processor Scalable family CPUs, 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, the new ThinkSystem servers have already achieved 42 world record benchmarks*. And dating back to 2001, Lenovo servers have achieved nearly 200 world record results, demonstrating a history of performance innovation.

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.

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 the fourth year in a row, Lenovo servers achieved the #1 reliability rating of all x86 servers worldwide, according to the ITIC 2016-2017 Global Server Hardware and OS Reliability Survey.[†] The independent survey polled hundreds of global businesses and once again Lenovo servers came out ahead of all other x86 servers.

Not surprisingly, this high reliability—coupled with the ease of use and high performance of Lenovo servers—has consistently resulted in #1 ratings in TBR customer satisfaction surveys.[‡] In fact, in the latest survey Lenovo servers finished first in all 22 categories of customer satisfaction and #1 overall for the 7th consecutive time. This can only happen when there is a history of sustained innovation in technologies that promote reliability and ease of use.

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.

Model Specifications

VX 3000 Series

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

Specifications

	Compute-heavy, high-performance virtualization, and VDI
Model Name	VX3320
Form Factor	1U
Processor	Up to 2x Intel® Xeon® Platinum processors, up to 205W
Memory (2666MHz TruDDR4)	Up to 3TB** in 24x slots, using 128GB** DIMMs
Drive Bays	10x 2.5-inch
Cache Drive Options	1 or 2x 400GB, 800GB, 1600GB
Number of Disk Groups	1 or 2
Storage Options	1.2TB, 1.8TB, 2.4TB HDDs; 1.6TB, 3.84TB, 7.68TB SSDs
Hypervisors Preloaded	ESXi
Systems Management	Hardware management via Lenovo XClarity and software management through VMware vCenter and Lenovo XClarity Integrator for VMware vCenter
License Options	VMware vSphere 6 Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; 3- or 5-year support subscription
Warranty Support	3-year customer replaceable unit and onsite service, next business day 9x5; opt. service upgrades
Support	Lenovo ThinkAgile Advantage

Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise

class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.



Lenovo ThinkAgile VX Series

VX 5000 and VX 7000 Series

The 2U 1-node Lenovo VX 5000 Series model is engineered for storage-heavy workloads (Big Data/Analytics, email, etc.) and offers a high-capacity model. The 2U 1-node Lenovo VX 7000 Series model is engineered for high-performance workloads (for example, in-memory databases) and optimized for I/O-intensive operation.

Specifications

	Big Data/Analytics, email, large databases, and other high-capacity storage needs	In-memory databases and other high-performance storage
Model Name	VX5520	VX7520
Form Factor	2U	
Processor	Up to 2x Intel® Xeon® Platinum processors, up to 205W	
Memory (2666MHz TruDDR4)	Up to 3TB** in 24x slots, using 128GB** DIMMs	
Drive Bays	12x 3.5-inch	24x 2.5-inch
Number of Disk Groups	1x or 2x	1x to 4x
Cache and NVMe Drive Options	1x or 2x 400GB, 800GB, 1600GB	Up to 4x 400GB, 800GB, 1600GB
HDD Options	6x 2TB, 4TB, 6TB, 8TB	Up to 20x
Hypervisors Preloaded	ESXi	
Systems Management	Hardware management via Lenovo XClarity and software management through VMware vCenter and Lenovo XClarity Integrator for VMware vCenter	
License Options	VMware vSphere 6 Standard, Enterprise or Enterprise Plus with Operations Management; VMware vSAN Standard, Advanced, Enterprise; 3- or 5-year support subscription	
Warranty Support	3-year customer replaceable unit and onsite service, next business day 9x5; opt. service upgrades	
Support	Lenovo ThinkAgile Advantage	

† 2016-2017 Global Hardware, Server OS Reliability Report, ITIC; October 2016.; † 1H2017 Corporate IT Buying Behavior and Customer Satisfaction Study, TBR; June 2017.

* <http://news.lenovo.com/news-releases/lenovo-launches-thinksystem-server-platform.htm>; ** 3TB at GA; 128GB DIMMs available in the near future. Available prior to GA via special bid.

For More Information

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

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