ThinkAgile VX Certified Nodes
Simplify IT infrastructure and accelerate time-to-value

VX Certified Nodes, above: 1U top, 2U middle, and 2U/4-node 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 Certified Nodes enable you to meet these requirements by focusing on the business outcome you require, rather than on building your infrastructure.

ThinkAgile VX Certified Nodes are available in multiple form factors. Each certified node contains vSAN-certified components and vSAN-certified firmware to provide the simplest way to bring a new VMware hyperconverged environment online.

Designed for any size business from SMBs through large enterprises, VX Certified Nodes 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 spend time consulting hardware compatibility lists and ensuring that only the right components and right firmware revisions are used. ThinkAgile VX Certified Nodes eliminate all of that time and effort by ensuring that only certified components and firmware can be used.

VX Certified Nodes arrive at your door with the hardware already installed and configured and using the right version of firmware, making it easy to integrate it into your environment. These nodes provide 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 Certified Nodes are 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, this infrastructure scales rapidly to meet the growing needs of your business, using next-generation CPU´s from the Intel® Xeon® Processor Scalable family or AMD EPYC™ Family of Processors. ThinkSystem servers are so powerful that as a family they hold more than 294 current world records on industry-standard benchmarks.*

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There is no need for expensive IT overprovisioning. You can wait until you actually need additional resources before you pay for them. And for 8 years in a row, Lenovo servers have held the #1 reliability rating among all x86 servers worldwide[†], so you won't need a huge inventory of service parts and "spare" servers.

Bottom Line

ThinkAgile VX Certified Nodes enable 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 Certified Nodes are backed by world-class Lenovo services and support.

The perfect complement to VX Certified Nodes, Lenovo's comprehensive data center services portfolio spans the entire life cycle 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 1U Certified Nodes Specifications

The ThinkAgile 1U Certified Nodes, based on the ThinkSystem SR645 V3 which uses the latest 4th Generation AMD EPYC™ Processors, is 2-socket 1U rack server ideal for small to medium enterprises that need industry-leaning maximum performance, flexibility, reliable management and in built security.

Model	VX645 V3 Certified Node
Audience	Small and medium-sized businesses
Form Factor	1U
Processor	Up to 2x 4th Gen AMD EPYC™ Processors
Memory	24x DDR5 4800/5200 MHz
GPU	Up to 3x single-wide GPUs
Drive Bays	Up to 12x 2.5" hot-swap drive bays or 4x 3.5"
Disk Groups	Up to 4 groups
Software Preloaded	VMware ESXi, vSAN (Activation licenses optional)
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	Optional software licenses available through Lenovo OEM or standard VMware licenses
Warranty Support	3- or 5-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

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VX 2U Certified Nodes Specifications

The 2U Certified Node has been designed to take advantage of the features of the 4th Generation AMD EPYC ™ processor. With up to 96 cores per processor and support for the new PCIe 5.0 standard for I/O, the VX systems offer the ultimate in two-socket performance in a 2U form factor. The system is delivering greater virtualized workload consolidation with higher core count, GPU support and easy-to-use lifecycle management console.

These target medium to large enterprises, managed and cloud service providers that are leveraging critical workloads such as databases, email, and collaboration within a business.
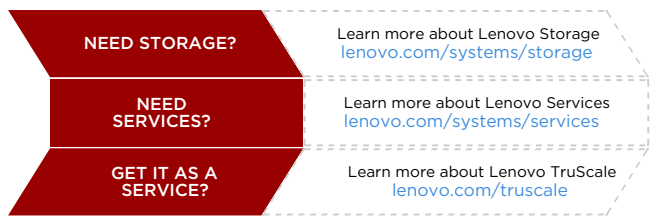
Model	VX665 V3 Certified Node
Audience	Medium to large enterprises
Form Factor	2U
Processor	Up to 2x 4th Gen AMD EPYC™ Processors
Memory	24x up to 256GB at 4800 MHz (2DPC) / 5200 MHz (1DPC)
GPU	3x DW GPU up to 300W each 8x SW GPU up to 75W each 6x SW GPU up to 150W each
Drive Bays	40x 2.5″ HS or 32x 2.5″ NVMe or 16x 3.5″
Disk Groups	Up to 5x
Software Preloaded	VMware ESXi, vSAN (Activation licenses optional)
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	Optional software licenses available through Lenovo OEM or standard VMware licenses
Warranty Support	3- or 5-year customer replaceable unit and onsite service, next business day 9x5; optional service upgrades

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 Certified Nodes, contact your Lenovo representative or Business Partner or visit lenovo.com/thinkagile.

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† ITIC Global Reliability Study

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