

ThinkAgile VX Series

Streamline your hybrid cloud and accelerate time-to-value



Enterprise Private Cloud Infrastructure for VMware Environments

Enterprises standardizing on VMware software need more than a proprietary HCI appliance — they need a platform that protects choice, scales with evolving workloads, and aligns tightly with VMware's direction without forcing architectural lock in.

Lenovo ThinkAgile VX Series is a co engineered solution, purpose built to deliver an enterprise grade private cloud using VMware Cloud Foundation (VCF) or VMware vSphere Foundation (VVF). It arrives fully tested, validated on Lenovo's industry leading server platforms and factory configured enabling customers to modernize confidently while retaining flexibility across hardware generations, deployment models, and consumption options.

Available in a broad range of configurations, ThinkAgile VX Series allows organizations to start small and scale seamlessly, aligning infrastructure growth to real application demand — without disrupting operations or compromising VMware consistency.

For organizations seeking cloud like economics, ThinkAgile VX Series is also available through Lenovo TruScale, providing flexible, pay as you go consumption with real time metering and predictable budgeting.

Engineered for Enterprise Continuity

The solution is fully validated for VMware Cloud Foundation, supporting both Express Storage Architecture (ESA) and Original Storage Architecture (OSA). This enables modern workloads — including SAP HANA, analytics platforms, and data intensive AI projects — to run on a consistent VMware operating model across core data centers, edge locations, and hybrid cloud environments.

With VMware software consolidated into VCF and VVF, ThinkAgile VX Series provides a stable, future ready foundation that enables modernization without re platforming or architectural disruption, giving enterprises confidence to move forward on their own terms.

Unlike appliance only HCI solutions, ThinkAgile VX Series delivers VMware alignment without sacrificing choice.

- **VMware first integration, without proprietary lock in.** Stay fully aligned with VMware roadmaps while preserving flexibility across hardware refresh cycles and deployment strategies.
- **Broadest platform choice in the VMware ecosystem.** Support for Intel® and AMD platforms, multiple form factors, GPU optimized and storage dense configurations — matched to real enterprise workloads.

Lenovo

- **Enterprise lifecycle control.** Scale, refresh, and modernize infrastructure when it makes business sense, not when an appliance model dictates change.

Single point of support, without single vendor

dependence. Lenovo provides coordinated hardware and software support while maintaining customer choice across VMware licensing and consumption models. This combination makes ThinkAgile VX Series the preferred alternative for enterprises evaluating their VMware future.

Infrastructure Performance, Reliability, and Security

ThinkAgile VX Series is built on Lenovo's most reliable and secure x86 server platforms, supporting the latest Intel® Xeon® 6 and AMD EPYC™ processors with advanced performance, power efficiency, and security features. Key capabilities include the following:

- High-density NVMe based storage optimized for vSAN ESA.
- Support for PCIe Gen5 and DDR5 memory.
- Inline deduplication, compression, and encryption for optimal capacity efficiency and data protection.
- Architectures optimized for disaggregated storage and high-performance workloads.

Lenovo servers consistently rank among the industry's most reliable and secure platforms in independent reliability studies — delivering the predictability enterprises expect for mission critical environments.

Operational Simplicity, Day-2 Excellence

ThinkAgile VX Series is engineered to simplify operations across the full infrastructure lifecycle.

Integrated directly into vCenter's VMware vSphere Lifecycle Manager (vLCM) using Lenovo XClarity Integrator as the Hardware Support Manager (HSM), ThinkAgile VX Series enables unified management for firmware, drivers, and software — all from a familiar VMware interface.

Lenovo ThinkAgile VX Series Best Recipes provide validated update paths that streamline lifecycle operations, reduce risk, and ensure environments remain compliant and secure. This automation reduces operational overhead, shortens maintenance windows, and frees IT teams to focus on higher value initiatives.

Designed for Enterprise and Regulated Workloads

ThinkAgile VX Series supports a wide spectrum of enterprise workloads across core data centers, distributed sites, and edge environments, including the following:

- **Enterprise databases and analytics** (Oracle, SQL, Cassandra, MongoDB)
- **SAP HANA and transactional systems**
- **Virtual desktop infrastructure (VDI)**
- **Containerized and cloud native applications**
- **AI inferencing and data intensive workloads**
- **Backup, cyber recovery, and disaster recovery**

With validated configurations and proven customer deployments across regulated industries and global enterprises, ThinkAgile VX Series delivers the scalability, performance, and operational consistency required at enterprise scale.

Flexible Consumption with Lenovo TruScale

With Lenovo TruScale Infrastructure as a Service, customers can deploy ThinkAgile VX Series using a consumption-based model that delivers cloud-like flexibility on premises. TruScale enables the following:

- Pay-as-you-go pricing aligned to actual usage
- Real time utilization and metering visibility
- Predictable budgeting and elimination of over-provisioning
- Enterprise control without cloud repatriation risk

Single Point of Support

ThinkAgile VX Series includes Premier Support delivered by Lenovo experts specializing in ThinkAgile solutions. Customers benefit from rapid issue resolution across both hardware and VMware software, without finger pointing or escalation complexity.

Lenovo also offers a comprehensive portfolio of services, including deployment and migration services, hybrid cloud and modernization assessments, managed services and proactive health checks, Technical Account Management (TAM) and enterprise server software support.

Warranty

Lenovo ThinkAgile VX Series can be configured with a three- or five-year hardware warranty with 24x7 Single Point of Support (Lenovo server hardware and VMware by Broadcom software and various levels of coverage with a well-defined scope of services, including service hours, response time, term of service, and service agreement terms and conditions).

Optional service upgrades such as managed services, Technical Account Management (TAM), Enterprise Server Software Support, YourData YourDrive, and Health Check are also available.

Bottom Line

For enterprises standardizing with VMware and are evaluating alternatives to proprietary HCI appliances, ThinkAgile VX Series delivers a smarter path forward.

It combines VMware first integration, validated performance, enterprise grade support, and unmatched platform flexibility — enabling organizations to modernize with confidence, protect long term investments, and maintain control over their private and hybrid cloud strategy.

ThinkAgile VX Series Specifications - Intel

The ThinkAgile VX Intel-based Series solutions are built with Intel® Xeon® 6 processors and available in 1U and 2U form factor servers.

Specifications

Model	VX630 V4	VX650 V4	VX650 V4 SAP	VX650a V4
Target Workloads	SMB, Remote Office/Branch Office (ROBO), VDI	General purpose and Compute Heavy	Compute Heavy with SAP HANA	AI Training and Inferencing
Form Factor	1U	2U		
Processor	Up to 2x Intel® Xeon® 6 processors, up to 86 cores and 350W TDP			
Memory	Up to 32x TruDDR5 RDIMMs			
GPU	Up to 3x single-width 75W GPUs	Up to 10x single-width GPUs or 2x double-width GPUs		Up to 8x single-width GPUs or 4x double-width GPUs
Drive Configurations	1-12 2.5" NVMe drives or 1-16 E3.S NVMe drives	1-24 2.5" NVMe drives or 1-16 E3.S NVMe		1-8 2.5" NVMe or 1-8 E3.S NVMe
Drive Bays	• Front: Up to 10x 2.5" NVMe, or 16x E3.S NVMe • Rear: Up to 2x 2.5" NVMe • Bootable device: Up to 2x M.2 SATA/NVMe drives with RAID support, optional hot swap	• Front: Up to 24x 2.5" NVMe, or 24x E3.S NVMe • Bootable device: Up to 2x M.2 SATA/NVMe drives with RAID support, optional hot swap	• Front: Up to 24x 2.5" NVMe, or 32x E3.S NVMe • Mid: Up to 8x 2.5" NVMe • Rear: Up to 8x 2.5" • Bootable device: Up to 2x M.2 SATA/NVMe drives with RAID support, optional hot swap	• Front accessible only: Up to 8x 2.5" NVMe, or 8x E3.S NVMe • Bootable device: Up to 2x M.2 SATA/NVMe drives with RAID support, optional hot swap
OCP Networking	2x OCP 3.0 slots			
PCIe Networking	Up to 3x PCIe 5.0 slots	Up to 10x PCIe Gen5 slots		Up to 14x PCIe Gen5 slots
Product Guide	VX630 V4	VX650 V4, VX650 V4 SAP		VX650a V4

Specifications

Model	VX850 V3	VX850 V3 SAP HANA
Target Workloads	Database & Analytics, ERP & CRM Applications	Compute Heavy with SAP HANA
Form Factor	2U	2U
Processor	2x or 4x 4th Gen Intel® Xeon® Scalable processors	
Memory	64x DDR5 4800MHz (16TB maximum)	
GPU	2x DW GPUs up to 300W each 4x SW GPUs up to 75W each	Not supported
Drive Configurations	All Flash	
Drive Bays*	24x 2.5" (HS) NVMe	
OCP Networking	2x OCP 3.0 adapter 1GbE, 10GBASE-T, 10GbE, 25GbE, 100GbE	
PCIe Networking	12x adapters 1GbE, 10GBASE-T, 10GbE, 25GbE, 100GbE, 200GbE	
Number of Disk Groups	Not applicable (vSAN ESA only)	
Product Guide	VX850 V3	VX850 V3 SAP HANA

*Maximum up to 40x 2.5" (HS) SAS/SATA supported with expander via CORE request

ThinkAgile VX Series Specifications - AMD

The ThinkAgile VX Series AMD-based solutions are built with AMD EPYC™ 9005 or AMD EPYC™ 9004 Processors and are available in 1U and 2U form factor servers.

Specifications

Model	VX635 V3	VX645 V3	VX655 V3	VX665 V3
Target Workloads	Remote Office/Branch Office (ROBO), VDI, Data Analytics & Backup		High-performance, Big Data & Analytics and I/O intensive operations	
Form Factor	1U		2U	
Processor	1x AMD EPYC™ 9005 or AMD EPYC™ 9004 Processors	Up to 2x AMD EPYC™ 9005 or AMD EPYC™ 9004 Processors	1x AMD EPYC™ 9005 or AMD EPYC™ 9004 Processors	Up to 2x AMD EPYC™ 9005 or AMD EPYC™ 9004 Processors
Memory	12x DDR5 6400MHz (3TB maximum)	24x DDR5 6400MHz (6TB maximum)	12x DDR5 6400MHz (3TB maximum)	24x DDR5 6400MHz (6TB maximum)
GPU	3x SW GPUs up to 75W each		3x DW GPU up to 300W each 8x SW GPU up to 75W each 6x SW GPU up to 150W each	
Drive Configurations	All Flash or Hybrid			
Drive Bays	12x 2.5" (HS) NVMe/SAS/SATA	12x 2.5" (HS) NVMe/SAS/SATA	*32x 2.5" (HS) NVMe/SAS/SATA 20x 3.5" (HS) SAS/SATA	
OCP Networking	1x OCP 3.0 adapter 1GbE, 10GBASE-T, 10GbE, 25GbE,100GbE			
PCIe Networking	3x adapters 1GbE, 10GBASE-T, 10GbE, 25GbE, 100GbE		8x adapters 1GbE, 10GBASE-T, 10GbE, 25GbE, 100GbE	
Number of Disk Groups (for OSA)	1 - 4		1 - 5	
Product Guide	VX635 V3	VX645 V3	VX655 V3	VX665 V3

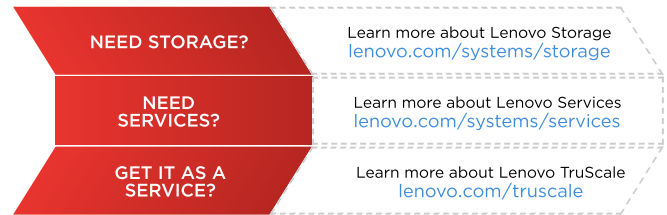
*Maximum up to 40x 2.5" (HS) SAS/SATA supported with expander via CORE request

About Lenovo

Lenovo is a US\$83 billion revenue global technology powerhouse, ranked #196 in the Fortune Global 500, and serving millions of customers every day in 180 markets. Guided by its **vision** of “Smarter Technology for All”, Lenovo is executing a **Hybrid AI strategy** that spans Personal AI – one personal AI, multiple devices; and Enterprise AI – helping customers turn data into insights and value. This strategy is delivered through the Group’s commitment to **world-class innovation** and a full-stack AI portfolio, including devices (PCs, workstations, smartphones, tablets, accessories), infrastructure solutions (server, storage, edge, high performance computing and software defined infrastructure), as well as software, solutions, and services. With a global footprint spanning more than 20 research and development locations and a global supply chain that includes more than 30 manufacturing sites across 10 markets, Lenovo is widely recognized for its **operational excellence**. Lenovo is listed on the Hong Kong stock exchange under Lenovo Group Limited (HKSE: 992) (ADR: LNVGY). Learn more at www.lenovo.com and follow the latest news in our [newsroom](#).

For More Information

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



© 2026 Lenovo. All rights reserved.

Availability: Offers, prices, specifications and availability may change without notice. Lenovo is not responsible for photographic or typographic errors. **Warranty:** For a copy of applicable warranties, write to: Lenovo Warranty Information, 1009 Think Place, Morrisville, NC, 27560. Lenovo makes no representation or warranty regarding third-party products or services. **Trademarks:** Lenovo, the Lenovo logo, ThinkAgile®, and XClarity® are trademarks or registered trademarks of Lenovo. AMD and AMD EPYC™ are trademarks of Advanced Micro Devices, Inc. Intel®, the Intel logo and Xeon® are trademarks of Intel Corporation or its subsidiaries. Other company, product, or service names may be trademarks or service marks of others. Document number DS0104, published May 29, 2026. For the latest version, go to lenovopress.lenovo.com/ds0104.