

ThinkAgile HX Certified Nodes

Rapidly and confidently deploy
HCI clusters



Optimize Your HCI Deployment

When it comes to hyperconverged deployments, Lenovo offers flexibility so that customers can choose the model that best suits their business needs.

Since 2014, Lenovo has collaborated with Nutanix to offer ThinkAgile HX Series, a best-in-class turnkey hyperconverged system that integrates, validates, and optimizes Nutanix's industry-leading software with Lenovo's highly reliable platforms — including white-glove Lenovo deployment services.

ThinkAgile HX appliances include a bundled Life of Device license, which remains with the appliance for its lifetime. For customers who prefer to provide their own Nutanix software licenses, Lenovo offers another choice: the ThinkAgile HX Certified Node, which includes:

- Fully validated and integrated hardware and firmware, certified with Nutanix software
- Preloaded Nutanix software for ready deployment, Nutanix term license obtained separately
- Flexibility to bring your own Nutanix term-based license, transferable to other HX certified nodes
- Flexibility to provide your own deployment services or optionally use Lenovo Deployment Services

Increase Simplicity and Uptime

ThinkAgile HX consolidates compute, storage, and virtualization software into simple building blocks, easily managed in scale-out clusters through a single interface. Achieve even simpler IT operations by using Nutanix Prism for one-click provisioning, insights, and firmware updates. Lenovo XClarity, a fast and intuitive resource management tool, can be used in concert with Prism.

A successful hyperconverged deployment depends on reliable servers that ensure your business-critical workloads run without interruption. For 4.5 consecutive years, Lenovo servers have ranked as the industry's most reliable[†] platforms, and they hold the industry's highest customer satisfaction[†] rating. Enhanced with faster processors and memory, Lenovo platforms hold the most current performance world records, so you can run your workloads with blazing-fast speed.*

Lenovo XClarity captures industry-leading proactive platform alerts, enabling administrators to migrate or replace failing components without incurring downtime. ThinkAgile Network Orchestrator, an industry-first integration between Lenovo switches and Nutanix Prism, reduces human error and downtime by automating switch configuration.

Lenovo™

2 | ThinkAgile HX Certified Nodes

With ThinkAgile HX Certified Nodes, you have the freedom to bring your own Nutanix term-based licenses while leveraging outstanding Lenovo reliability and performance plus Nutanix simplicity. Deploy your HCI clusters rapidly and confidently with Lenovo.

ThinkAgile HX 1001 Certified Nodes

The 1U 1-node ThinkAgile HX 1001 Certified Nodes are engineered for light-to-medium workloads (business applications and VDI), optimized for remote office/branch office (ROBO) environments.

Specifications

	Remote Office/Branch Office (ROBO)
Model Name	HX1321 Certified Node, 1U form factor
Processor	1x second-generation Intel® Xeon® Silver, Gold or Platinum processor, up to 205W
	64GB, 96GB, 128GB, 192GB, 256GB, 384GB
Drive Bays	4x 3.5"
SSD Options (Hybrid)	2x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
SSD Options (Flash)	2x or 4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
HDD Options	2x 4TB, 6TB, 8TB, 10TB, 12TB
10GBASE-T/10GbE SFP+ Ports	2-6
25GbE SFP28 Ports	0-4
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, VMware ESXi
Hypervisors Supported	Nutanix Acropolis Hypervisor, VMware ESXi, Microsoft Hyper-V 2016
Systems Management	Hardware management via Lenovo XClarity or ThinkAgile XClarity Integrator for Nutanix, and software management via Nutanix Prism
Warranty Support	Lenovo 3-year, 4-year, or 5-year limited hardware warranty



ThinkAgile HX 2001 Certified Nodes

ThinkAgile HX2001 Certified Nodes are optimized for small and midsized businesses (SMB). Available in a 1U form factor, they are ideal for virtualized file, print, email, and other office applications.

Specifications

	Small and Medium Businesses
Model Name	HX2321 Certified Node, 1U form factor
Processor	Up to 2x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 205W
Memory (TruDDR4 2933MHz)	96GB, 192GB, 256GB, 384GB, 512GB, 576GB, 768GB, 1024GB, 1.5TB
Drive Bays	4x 3.5" drives
SSD Options (Hybrid)	2x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
SSD Options (Flash)	2x or 4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
HDD Options	0-2x 1TB, 2TB, 4TB, 6TB, 8TB, 10TB, 12TB
10GBASE-T/10GbE SFP+ Ports	2-8
25GbE SFP28 Ports	0-6
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, optional VMware ESXi
Hypervisors Supported	Nutanix Acropolis Hypervisor, VMware ESXi, Microsoft Hyper-V 2016
Systems Management	Software management via Nutanix Prism, hardware management via Lenovo XClarity and Lenovo XClarity Integrator for Nutanix
Warranty Support	Lenovo 3-year, 4-year, or 5-year limited hardware warranty



ThinkAgile HX 3001 Certified Nodes

ThinkAgile HX 3001 Certified Nodes are available in 1U 1-node, 2U 1-node, and 2U 4-node form factors. All HX 3001 Certified Nodes are engineered for compute-heavy workloads (business applications and VDI) and offer rack-dense, all-flash (-F) and GPU (-G) models.

Specifications

	General Virtualization and Virtual Desktop Infrastructure (VDI)		
Model Name	HX3321 (+ SAP HANA)	HX3521-G	HX3721
Form Factor	1U	2U	2U 4-node
Processor	2x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 205W	2x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 165W	2x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 140W
Memory (TruDDR4 2933MHz)	128GB, 192GB, 256GB, 384GB, 512GB, 768GB, 1.5TB, 3TB	128GB, 192GB, 256GB, 384GB, 512GB, 576GB, 768GB, 1.5TB, 3TB	192GB, 384GB, 512GB, 768GB
Drive Bays	10x-12x 2.5"	8x-16x 2.5"	6x 2.5"
SSD Options (Hybrid)	2x-4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	2x-4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	2x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB
SSD Options (Flash)	6x-12x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	8x-16x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	4x-6x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB
HDD Options (Hybrid)	4x-10x 1TB, 2TB, 2.4TB	6x-14x 1TB, 2TB, 2.4TB	4x 1TB, 2TB, 2.4TB
NVMe Options (Flash)	0, 2, or 4x 1.6TB, 3.2TB and 3.84TB	None	None
GPU Options	None	0-2x NVIDIA P40, V100, M60, M10 0-5x NVIDIA T4	None
10GBASE-T/10GbE SFP+ Ports	2-10	2-10	2-4
25GbE SFP28 Ports	0-6	0-6	0-2
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, optional VMware ESXi		
Hypervisors Supported	Nutanix Acropolis Hypervisor, VMware ESXi, Microsoft Hyper-V 2016		
Systems Management	Hardware management via Lenovo XClarity or ThinkAgile Integrator for Nutanix, and software management via Nutanix Prism		
Warranty Support	Lenovo 3-year, 4-year, or 5-year limited hardware warranty		



ThinkAgile HX 5001 and HX 7001 Certified Nodes

The 2U 1-node ThinkAgile HX 5001 Certified Nodes are engineered for storage-heavy workloads (Big Data and enterprise applications) and offer a high-capacity model. The 2U 1-node ThinkAgile HX 7001 Certified Nodes are engineered for high-performance and mission-critical workloads (enterprise applications and in-memory databases, such as SAP HANA) and optimized for I/O intensive operation.

Specifications

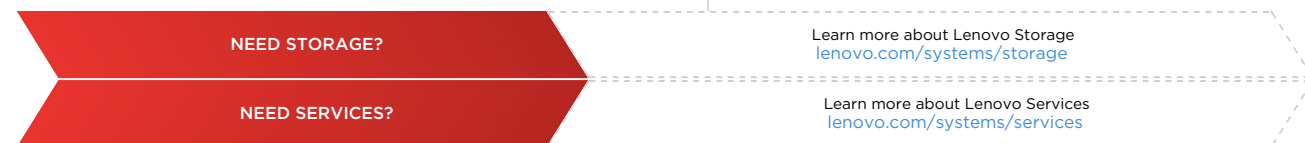
	Big Data and High Capacity	High Performance and Databases	Mission-Critical Workloads
Model Name	HX5521	HX7521 (+ SAP HANA)	HX7821 (+ SAP HANA)
Form Factor	2U	2U	4U
Processor	2x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 165W	2x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 205W	4x second-generation Intel Xeon Silver, Gold or Platinum processors, up to 205W
Memory (TruDDR4 2933MHz)	128GB, 192GB, 256GB, 384GB, 512GB, 768GB, 1.5TB, 3TB	256GB, 384GB, 512GB, 768GB, 1.5TB, 3TB	768GB, 1.5TB, 3TB, 6TB
Drive Bays	12x or 14x 3.5"	24x 2.5"	Up to 24x 2.5"
SSD Options (Hybrid)	2x-6x 480GB, 960GB, 1.92TB, 3.84TB	4x-8x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	Up to 8x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB
SSD Options (Flash)	6x-14x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	12x-24x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB	Up to 24x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB, 15.36TB
NVMe Options (Flash)	None	0, 2, or 4x 1.6TB, 3.2TB	
HDD Options	6x-12x 4TB, 6TB 6-10x 8TB 4x-8x 10TB, 12TB	12x-20x 1TB, 2TB, 2.4TB	Up to 20x 1TB, 2TB, or 2.4TB 2.5"
10GBASE-T/10GbE SFP+ Ports	2-10	2-10	2-10
25GbE SFP28 Ports	0-8	0-8	0-8
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, optional VMware ESXi		
Hypervisors Supported	Nutanix Acropolis Hypervisor, VMware ESXi, Microsoft Hyper-V 2016		
Systems Management	Hardware management via Lenovo XClarity or ThinkAgile XClarity Integrator for Nutanix, and software management via Nutanix Prism		
Warranty Support	Lenovo 3-year, 4-year, or 5-year limited hardware warranty		

About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$45 billion Fortune 500 company and a global technology leader in driving Intelligent Transformation. Lenovo's data center solutions (ThinkSystem, ThinkAgile) are creating the capacity and computing power that are changing business and society.

For More Information

To learn more about Lenovo ThinkAgile HX Certified Nodes, contact your Lenovo representative or Business Partner or visit lenovo.com/thinkagile.



† [ITIC Global Reliability Study](#) * Visit [Lenovo Servers World-Record Performance Benchmarks](#) for more information.



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