

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
- ThinkAgile Advantage Single Point of Support for quick 24/7 problem reporting and resolution

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. Both Lenovo XClarity, a fast and intuitive resource management tool, and the ThinkAgile XClarity Integrator for Nutanix, 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™

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With ThinkAgile HX Certified Nodes, you have the freedom to bring your own Nutanix term-based licenses while leveraging outstanding Lenovo reliability and performance, Nutanix simplicity, plus Lenovo ThinkAgile Advantage for seamless life cycle management. 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) and Replication Target
Model Name	HX1321 Certified Node, 1U form factor
Processor	1x second-generation Intel® Xeon® Gold processor, up to 85W
Memory (TruDDR4 2933MHz)	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
10GBASE-T Ports	2-6
10GbE SFP+ Ports	2-6
25GbE SFP28 Ports	0-2
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, VMware ESXi (4Q/2019)
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 Advantage Single Point of Support where available

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 and Gold processors, up to 85W
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
10GBASE-T Ports	2-6
10GbE SFP+ Ports	2-6
25GbE SFP28 Ports	0-2
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, optional VMware ESXi (4Q/2019)
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 Advantage Single Point of Support where available



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	HX3521-G	HX3721
Form Factor	1U	2U	2U 4-node
Processor	2x second-generation Intel® Xeon® Platinum processors, up to 205W	2x second-generation Intel Xeon Platinum processors, up to 150W	2x second-generation Intel Xeon 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	2x-4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	2x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
SSD Options (Flash)	6x-12x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	8x-16x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	4x-6x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
HDD Options (Hybrid)	4x-10x 1TB, 2TB, 2.4TB	6x-14x 1TB, 2TB, 2.4TB	4x 1TB, 2TB, 2.4TB
GPU Options	None	0-2x NVIDIA P40 0-2x NVIDIA M60 0-2x NVIDIA M10	None
10GBASE-T Ports	2-8	2-8	2-4
10GbE SFP+ Ports	2-8	2-8	2-4
25GbE SFP28 Ports	0-4	0-4	0-2
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, optional VMware ESXi (4Q/2019)		
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	HX7821 (including SAP HANA solution)
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 165W	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	Up to 8x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
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	Up to 24x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
HDD Options	6x-12x 4TB, 6TB 6-10x 8TB 4x-8x 10TB	12x-20x 1TB, 2TB, 2.4TB	Up to 20x 1TB, 2TB, or 2.4TB 2.5"
10GBASE-T Ports	2-8	2-8	2-8
10GbE SFP+ Ports	2-8	2-8	2-8
25GbE SFP28 Ports	0-4	0-4	0-8
Hypervisors Preloaded	Nutanix Acropolis Hypervisor, optional VMware ESXi (4Q/2019)		
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 Advantage: Personalized Support

ThinkAgile Advantage, in available countries, provides a first-class support experience to make the most of your ThinkAgile products and solutions. You will skip the wait and connect directly with skilled technicians through your own dedicated phone line, for real-time triaging and troubleshooting. As a single point of contact, your dedicated Lenovo specialist will own your support case end-to-end, ensuring a faster and more seamless resolution.



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.

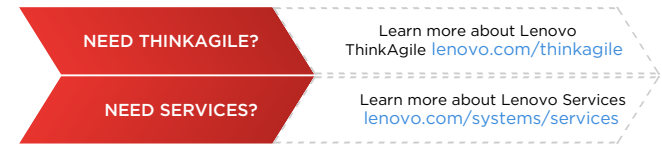
† [ITIC 2018 Global Server Reliability Update](#) .

‡ [TBR x86-based Servers Report](#) .

* Visit [Lenovo Servers World-Record Performance Benchmarks](#) for more information.

For More Information

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



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