

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

For customers who prefer to provide their own Nutanix software licenses and/or deployment services, 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 software license obtained separately
- Flexibility to bring your own Nutanix software license or leverage the customer's existing license
- 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

Deliver Greater Reliability/Performance

The success of deploying a hyperconverged solution

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. They also hold the industry's highest customer satisfaction[‡] rating, and the world record for virtualization performance.*

Lenovo XClarity, a fast and intuitive resource management tool, captures industry-leading proactive platform alerts, enabling administrators to migrate workloads or replace failing components without incurring downtime.

For reduced manual entry, customers can optionally leverage ThinkAgile XClarity Integrator for Nutanix, which automates HX discovery and authentication. Additionally, ThinkAgile Network Orchestrator, an industry-first integration between Lenovo switches and Nutanix Prism, reduces human error and downtime by automating switch configuration in response to changes in the virtual network.

With ThinkAgile HX Certified Nodes, you have the freedom to use existing Nutanix licenses while leveraging outstanding Lenovo platform reliability, performance, and ThinkAgile Advantage Single Point of Support. Deploy your HCI clusters rapidly and confidently with Lenovo.

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 and replication target.

Specifications

	Remote Office/Branch Office (ROBO) and Replication Target	
Model Name	HX1321	HX1521-R
Form Factor	1U	2U
Processor	1x Intel® Xeon® Gold processor, up to 85W	2x Intel Xeon Platinum processors, up to 125W
Memory (TruDDR4 2400MHz)	64GB, 96GB, 128GB, 192GB, 256GB, 384GB	128GB, 192GB, 256GB, 384GB, 512GB, 768GB
Drive Bays	4x 3.5-inch	12 or 14 x 3.5-inch
SSD Options (Cache)	Up to 2x 480GB, 960GB, 1.92TB, 3.84TB	2x 480GB, 960GB, 1.92TB, 3.84TB
HDD Options	2x 4TB, 6TB, 8TB	6-12x 4TB, 6TB 6-10x 8TB
10GBASE-T Ports	2-6	2-8
10GbE SFP+ Ports	2-6	2-8
25GbE SFP28 Ports	0-2	0-4
Hypervisors Preloaded	Nutanix Acropolis Hypervisor	
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 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 Intel® Xeon® Platinum processors, up to 165W	2x Intel Xeon Platinum processors, up to 125W	2x Intel Xeon Platinum processors, up to 140W
Memory (TruDDR4 2400MHz)	128GB, 192GB, 256GB, 384GB, 512GB, 768GB, 1.536TB	128GB, 192GB, 256GB, 384GB, 512GB, 768GB, 1.536TB	192GB, 384GB, 768GB
Drive Bays	10-12x 2.5-inch	8-16x 2.5-inch	6x 2.5-inch
SSD Options (Hybrid)	2-4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	2-4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	2x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
SSD Options (Flash)	6-12x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	8-16x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	4-6x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
HDD Options (Hybrid)	4-10x 1TB, 2TB	6-14x 1TB, 2TB	4x 1TB, 2TB
GPU Options	None	1-2x NVIDIA M60 1-2x 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		
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 workloads (enterprise applications and databases) and optimized for I/O intensive operation.

Specifications

	Big Data and High Capacity		High Performance and Databases	Mission-Critical Workloads
Model Name	HX5521	HX5521-C	HX7521	HX7821
Form Factor	2U	2U	2U	4U
Processor	2x Intel® Xeon® Platinum processors, up to 165W	1x Intel Xeon Gold processor, up to 125W	2x Intel Xeon Platinum processors, up to 165W	4x Intel Xeon Platinum processors, up to 205W
Memory (TruDDR4 2400MHz)	128GB, 192GB, 256GB, 384GB, 512GB, 768GB, 1.5TB	64GB, 96GB	256GB, 384GB, 512GB, 768GB, 1.5TB	768GB, 1.5TB, 3TB, 6TB
Drive Bays	12-14x 3.5-inch	12 or 14x 3.5-inch	24x 2.5-inch	Up to 24 2.5-inch
SSD Options (Hybrid)	2-6x 480GB, 960GB, 1.92TB, 3.84TB	2x 480GB, 960GB, 1.92TB, 3.84TB	4-8x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB	Up to 20 x 1TB, 2TB, or 2.4TB
SSD Options (Flash)	6-14x 480GB, 960GB, 1.92TB, 3.84TB	6-14x 480GB, 960GB, 1.92TB, 3.84TB	12-24x 480GB, 800GB, 960GB, 1.92TB, 3.84TB	Up to 4x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB
HDD Options	6-12x 4TB, 6TB 6-10x 8TB	6-12x 4TB, 6TB 6-10x 8TB	12-20x 1TB, 2TB	Up to 20x 1TB, 2TB, or 2.4TB 2.5-inch
10GBASE-T Ports	2-8	2-6	2-8	2-8
10GbE SFP+ Ports	2-8	2-6	2-8	2-8
25GbE SFP28 Ports	0-4	0-2	0-4	0-8
Hypervisors Preloaded	Nutanix Acropolis Hypervisor			
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.

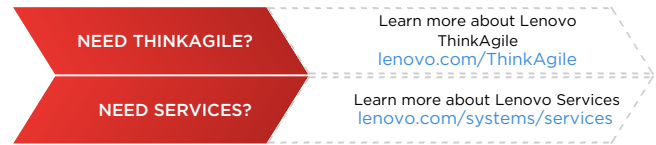


About Lenovo

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.

For More Information

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



† [2016-2017 Global Hardware, Server OS Reliability Report, ITIC; October 2016](#) ; and [ITIC Reliability Study 2016-2017 Mid-year Update, May 2017](#). ‡ [2H16 Corporate IT Buying Behavior and Customer Satisfaction Study](#) , TBR; July 2017. * Lenovo two-socket servers (ThinkSystem SR650 platform) hold the world record in SPECvirt_sc2013 performance as of July 11, 2017: Visit <https://lenovopress.com/lp0698-thinksystem-servers-42-world-record-benchmark-results/> for more information.

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