

ThinkAgile HX Series for Edge

AI from Edge to Cloud with ThinkAgile HX Edge Solutions



The Lenovo ThinkAgile HX360 V2 Edge is a comprehensive pre-validated hyperconverged infrastructure (HCI) solution based on Intel Xeon D-2700 series processor. It comes bundled with hardware, software, and services for consolidating Edge-AI workloads such as inferencing. With this edge solution, you can scale as you grow from a single node to a multi-node cluster and simplify fleet management of large-scale edge deployments. The high availability of the solution can be maximized with zero touch deployment along with uninterrupted updates, data redundancy features and cloud backup.

The Lenovo ThinkAgile HX1021 Certified Node is an edge solution based on the Intel® Xeon® processor D-2100 that consolidates compute, storage, and virtualization software into simple building blocks, easily managed in scale-out clusters through a single interface for meeting edge computing requirements. The condensed design of the solution allows new compute possibilities directly where data is being generated such as a retail, manufacturing units, gas stations, restaurants, and beyond.

Secure, Compact Size and Rugged HCI Solutions for Remote Locations

ThinkAgile HX360 V2 Edge and HX1021 are purpose-built edge solutions for compute and storage optimized on Lenovo's highly reliable servers, preloaded and validated with Nutanix software.

Today, remote locations are forced to make a choice between underpowered IOT gateways and PCs or overpowered and non-rugged data center-centric servers. Now they have an option—a right-sized compact compute and storage server designed specifically to meet the needs of remote locations. This lets you shrink your server footprint, maximize resources, and scale easily by adding more ThinkAgile HX nodes as your business grows.

The ThinkAgile HX edge solutions put increased processing power, storage and network closer to where data is generated, allowing actions resulting from the analysis of that data to take place more quickly. They can be hung on a wall, stacked on a shelf, or mounted in a rack and have tolerance to locations with high-dust and vibration.

Centralized IT Management and Operations of Remote Solutions

Use Nutanix Prism for one-click planning, provisioning, insights, ongoing system health monitoring and firmware updates across thousands of locations to reduce the complexity and hassle of your IT operations. Lenovo XClarity can be used in concert with Prism for comprehensive management.

Lenovo

ThinkAgile HX360 V2 Edge- Specifications

Form Factor	2U, height: 84.5 mm, width: 212 mm, depth: 317.5 mm
Processor	1x Intel® Xeon® D processor, 4-16 cores, up to 100W TDP
Memory	Up to 256GB with 4x 64GB RDIMMs (3200MHz)
Drive Bays	Internal drives for Data drives: <ul style="list-style-type: none"> • Up to 8 x NVMe M.2 data storage drives • (2-4 drives in the 4-drive solution, 2-8 drives in the 8-drive solution) Internal drives for OS boot: <ul style="list-style-type: none"> • 2 x NVMe M.2 boot drives (RAID 1)
RAID Support	VROC RAID
Mounting Options	Standalone, Desktop mount, DIN Rail or Wall mount, Ceiling mount and Standard Rack (2U2N)
Power	Internal AC Power Supply (230V/115V) (0°C to 55°C)
Network Interfaces (Wired)	4x 10GbE/25GbE SFP+/SFP28
GPU	Supports up to 1x NVIDIA A2 or L4 GPU
Systems Management	Lenovo XClarity and Nutanix Prism
Operating Temperature	-20°C to 45°C
Operating Systems	Nutanix AHV or VMware ESXi
Limited Warranty	Three-year customer-replaceable unit and onsite limited warranty with 9x5 next business day (NBD)

ThinkAgile HX1021 Certified Node - Specifications

Form Factor	1U height, half width edge server; Height: 40mm, Width: 215mm, Depth: 376mm
Processor	1-socket Intel® Xeon® processor D-2100, up to 16 cores
Memory	Up to 256GB in 4x slots, using 16GB, 32GB or 64GB DIMMs; up to 2666MHz TruDDR4.
Internal Storage Options	<ul style="list-style-type: none"> • 2x M.2 2280 SATA boot drives + 8x M.2 P4511 650GB NVMe data storage drives • 2x M.2 2280 SATA boot drives + 4x M.2 P4511 NVMe data storage drives • SED, high temperature, high capacity, and high endurance drive options • Optional encryption key deletion on tamper or theft detection
RAID Support	<ul style="list-style-type: none"> • Hardware RAID 1 for M.2 SATA Boot SSDs • Hardware RAID 1 for M.2 SATA Storage SSDs
Mounting Options	<p>Single node mounting options for desktop, VESA, DIN, wall, or ceiling</p> <ul style="list-style-type: none"> • Multi-node stackable bookend options • E1 Enclosure • E2 Enclosure • Locking bezels and dust filter options
Power	Dual-redundant external power supplies 100-240V AC
Network Interfaces (Wired)	<ul style="list-style-type: none"> • 10GbE SFP+ 2-Port, 10/100/1GbE RJ45 2-Port Intel i350 (Extreme Shock & Vibe) • 4xRJ45 10GBASE-T LOM Package • 1GbE management
Accelerators and PCIe Expansion	<ul style="list-style-type: none"> • 1x PCIe 3.0 x16 75W or 4x M.2 22110 • Support for 1x NVIDIA® T4 GPU for AI inference • 1x PCIe network card expansion <ul style="list-style-type: none"> ◦ 2x 10GBASE-T PCIe ◦ 2x 10/25GbE SFP28 PCIe
Systems Management	Hardware management via Lenovo XClarity and software management via Nutanix Prism
Environmental	Extended operating temperature of 0-55°C, up to 40G shock & 3Grms vibration, IEC 60068, NEBS 3, optional dust filter
Security	<ul style="list-style-type: none"> • ThinkShield Key Vault secure management with motion and intrusion tamper protection • Optional Key Vault SED encrypted storage for boot and data drives • Lenovo Trusted Supplier Program • Optional Kensington keyed lock compatible chassis • Cable locking bezel
Operating Systems	Nutanix Acropolis Hypervisor, VMware ESXi (ESXi support is planned)
Limited Warranty	3-year warranty extendable to 5-year, next business day 9x5; optional service upgrades

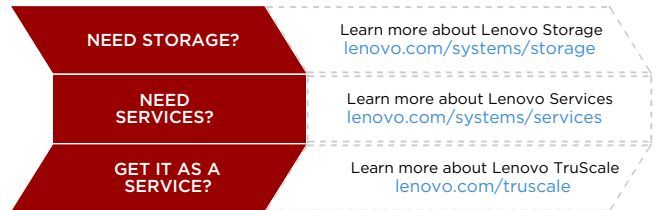
About Lenovo

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 ThinkAgile HX contact your Lenovo representative or Business Partner, or [visit our ThinkAgile HX website](#).

For detailed specifications, consult the [HX1021 product guide](#), [HX360 V2 product guide](#).



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