

A vertical strip on the left side of the page shows a long-exposure photograph of a road at night. The lights from cars and streetlights have blurred into vibrant, multi-colored streaks of red, orange, yellow, and blue, creating a sense of motion and energy.

**Lenovo**

The Intel logo, consisting of the word "intel" in a white, lowercase, sans-serif font, set against a solid blue square background.

**intel**

# **Harnessing the Power of Edge Computing**

**Driving Edge Performance  
and Power with Intel® and  
Lenovo ThinkEdge**

Lenovo  
**ThinkEdge**

# Lenovo and Intel are powering the performance of edge AI

**\$317B**

Spend on edge computing by 2026.

**75%**

Of enterprise-generated data will be created and processed outside a traditional data center or cloud by 2025.

**83%**

Of C-suite executives believe edge computing is essential to remaining competitive in the future.

In 2010, 2 zettabytes of data were produced. Now, in 2025, it is estimated 181 zettabytes will be produced, and it's projected to keep growing.

And edge computing is key to addressing this exponential data growth.

Edge computing represents a paradigm shift in the way data is processed and managed. By bringing computation closer to where data is created, it significantly reduces latency, leading to faster decision-making and real-time processing.

This decentralized approach ensures that data doesn't have to travel long distances to a central cloud server - reducing the potential for bandwidth bottlenecks and enhancing network efficiency.

For industries that rely on rapid data analysis, such as retail, healthcare, and manufacturing, edge computing is transformative, enabling quicker responses and more reliable operations.

Additionally, today's edge devices must have the power to handle computationally intensive tasks and demanding AI workloads. They must have the performance to enable faster response times, reduce latency, and improve efficiency in critical applications. They must have the speed to help businesses quickly translate data into actionable insights that streamline operations and improve business outcomes.

Lenovo's ThinkEdge series of edge devices, powered by the latest Intel processors, deliver unmatched power and performance at the edge.

Designed to provide data center like performance in an edge computing form factor, ThinkEdge has the computational muscle needed for intensive workloads such as artificial intelligence, machine learning, and data analytics in a compact form factor that allows for deployment in diverse environments, from remote offices to factory floors, without compromising on performance.

**Lenovo**

**intel.**

# Right-size infrastructure

Together with Intel, Lenovo offers the most powerful edge AI portfolio - from near edge to the data center - in a variety of form factors to meet the performance needs of businesses globally.

## ThinkEdge Portfolio

### SE10



#### Intel® Atom

Powerful performance with reliable ease and adaptability

### SE30



#### Intel® Celeron® or Intel® Core™

For enterprise automation, smart retail, and smart buildings

### SE50



#### Intel® Core™

Power and reliability at the edge

### SE350 V2



#### Intel® Xeon® D

Purpose-built edge computing server

### SE360 V2



#### Intel® Xeon® D Intel® Data Center GPU Flex Series

Compact and secure with rugged reliability

### SE450



#### Intel® Xeon® Platinum Intel® Data Center GPU Flex Series

The most GPU-rich AI server for the edge

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Transform Your Business with AI at the Edge.  
Discover How at [Lenovo.com/IntelEdgeAI](https://lenovo.com/IntelEdgeAI)

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# Unparalleled power and performance

ThinkEdge devices powered by Intel harness the full potential of data right where it's generated to provide effective analyzation and greater speeds and volumes, leading to real-time and action-led results across industries.



## Power

Powered by the latest Intel processors for unconstrained performance at the edge.



## Performance

Up to 256GB memory for lightning-fast processing speeds.



## Rugged

Architected to withstand -20° to 65°C temperatures, dust, shock, and vibration.



## Noise

Up to 50% quieter than competitors for whisper-quiet operation in occupied spaces.



## Discrete

2X smaller form factor than standard servers for unnoticeable placement in any environment.



## Scalable

Ground-up, modular design to simplify deployment from 1-1,000+ devices.



## Secure

Superior physical and digital security solutions with hardware-based encryption, intrusion detection, and sleeve-locking bezels.



## Cutting-Edge

Purpose-built to handle AI and ML-optimized workloads from unlimited data sources and applications.

Transform Your Business with AI at the Edge.  
Discover How at [Lenovo.com/IntelEdgeAI](https://lenovo.com/intelEdgeAI)

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# Guided expertise for businesses globally

Lenovo and Intel have made the future of edge AI technology accessible and user-friendly with software, tools, and systems that ensure continued innovation, ease of integration, and simplified deployment.

## Envision

No matter where you are on your edge journey, **Lenovo and Intel's principal consultants** will help you build a strategy that delivers insights and experiences at your unique business speed. And with **Lenovo's AI Innovators Program**, get access to guided expertise and over 150 AI solutions across key verticals.

## Innovate

**Intel® Geti™**, part of the **Intel® Tiber™ Edge Platform** – a solution designed to solve edge challenges across industries – provides an integrated environment for AI development, allowing developers to rapidly build AI models by bringing non-technical domain experts easily into the process. Conduct edge POCs, leverage ready-to-use tools, and access experts in AI and edge computing via the **Lenovo AI Center of Discovery & Excellence**.

## Optimize

**Intel's OpenVINO™** toolkit, which is also a part of the **Intel® Tiber™ Edge Platform**, facilitates the development and deployment of high-performance computer vision and deep learning applications. Developers can optimize and run AI inference workloads across ThinkEdge Intel hardware platforms, maximizing the performance of deep learning models while simplifying the deployment process. Companies can also utilize **Intel® SceneScape** to transform data from many sensors to create and provide live updates to a 4D digital twin of a physical space.

## Implement

**Lenovo Open Cloud Automation (LOC-A)** streamlines and automates the deployment, management, and scaling of edge computing infrastructure. Get near-zero-touch provisioning while reducing edge deployment time up to 70%, reducing required resources up to 76%, and saving up to 50% in deployment costs.

## Scale & Save

Enjoy edge-computing-as-a-service anywhere in the world as a predictable, stable monthly payment model with **Lenovo TruScale** for edge and AI. Get access to Lenovo's hardware and infrastructure on an as-a-service basis while leveraging cutting-edge technology and infrastructure without the need for significant upfront investment or the complexities of managing and maintaining hardware in-house.



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**Smarter technology for all** 