

# Lenovo ThinkEdge: Edge infrastructure for today's retailers

## Challenge

Retail stores are running more technology than ever before.

From advanced POS and inventory systems to computer vision, security analytics, and real-time operational insights, the modern brick-and-mortar store generates vast amounts of data every minute.

Much of that data needs to be processed instantly, right where it's created. This puts a slew of new demands on infrastructure, particularly for retailers operating across dozens, or hundreds, of locations.

When systems rely on central networks to function, minor outages can cause major in-store disruption, especially when there's no onsite support team to step in to get things back up and running.

## Key features

How Lenovo ThinkEdge powers new era retail:

<b>Real-time data processing</b>	Runs latency-sensitive workloads directly within the store environment.
<b>Support for AI-driven technologies</b>	Provides the compute power required for applications such as computer vision, security analytics, intelligent inventory monitoring, and more.
<b>Operational resilience</b>	Maintains critical systems even when network connectivity is disrupted.
<b>Scalable infrastructure</b>	Supports an expanding technology stack as new systems and applications are introduced.
<b>Centralised management</b>	Maintains visibility and control across distributed store networks.



**Our partnership. Delivered by Truis, powered by Lenovo**

As a Lenovo Platinum Partner, Truis works with retailers to deploy and manage Lenovo ThinkEdge infrastructure across distributed store networks. From architecture and rollout through to ongoing management, our team supports yours to make sure your infrastructure runs reliably across your entire store network.

## Solution

Lenovo ThinkEdge servers bring enterprise-grade computing power into each store.

Designed for environments outside traditional data centres, ThinkEdge systems allow retailers to process data locally while still maintaining oversight across their wider network. Local processing enables in-store technologies to deliver on their promise of real-time processing, which supports everything from smart checkout systems, to AI-driven analytics, computer vision, and dynamic advertising.

## See it for yourself

The Truis Store of Tomorrow is a conceptual retail environment built to showcase emerging in-store technologies. Visit the space to see Lenovo ThinkEdge in action.

[Book a visit with the Truis team →](#)



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