Use case

Taking AI on the road

Discover how AI-driven solutions can optimize supply chains, improve delivery accuracy and strengthen operational performance.

In logistics, technology can only make a difference when it can help streamline operations, reduce costs and improve service quality. Artificial intelligence (AI) is now a real-world application that can create real impact across these areas. Now that AI solutions are becoming available, they can help keep schedules on track, maintain stock levels and help warehouses operate more efficiently.

Many logistics networks were not originally designed to support real-time insights or data-intensive AI workloads across distribution centers, transportation fleets and digital platforms. As a result, infrastructure limitations can slow decision-making and reduce operational agility.

Reexamining how data flows between core systems, cloud platforms and edge environments can help logistics organizations support AI initiatives more effectively. It can also bring intelligence closer to the points where decisions about inventory, routing and delivery happen.

Challenge

Logistics companies today are operating in a high-pressure environment where speed, accuracy and efficiency are critical. They manage vast and unpredictable data flows, ranging from 10 Gbps to 400 Gbps, that come from sensors, GPS devices, connected trucks, warehouses and digital platforms. Supply chain disruptions caused by a variety of unexpected events can result in significant spikes in data from AI applications. The right network architecture needs to be in place to manage these situations.

Traditional, static network infrastructures often cannot keep up with these rapid fluctuations. Bandwidth limitations, latency issues and rigid routing structures can create bottlenecks, slow data processing and delay real-time insights. These constraints make it harder to optimize complex routing networks, adjust delivery schedules on the fly or respond quickly to shifting conditions. Without a flexible network, logistics providers risk inefficiencies, delayed shipments and higher operational costs.

of surveyed executives said that network performance and reliability are critical for AI and machine learning initiatives.[1]

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Solution

To address these challenges, Verizon AI Connect* can empower logistics organizations to deploy an intelligent and programmable network architecture designed to handle volatile, high-volume data demands. Dynamically allocating bandwidth and rerouting data flows can help support AI workloads and critical operations such as near-real-time route optimization, inventory tracking and fleet management.

Backed by America's fastest 5G speeds,[2] this solution also provides organizations with the ability to create dedicated, secure networks with added control through a single pane of glass. This allows teams to prioritize traffic, monitor performance in near real time and quickly adapt to changing conditions across distribution centers, vehicles and digital platforms. By bringing intelligence closer to where decisions are made, AI-driven insights can be delivered promptly, enabling logistics providers to maintain operational continuity and respond rapidly to disruptions.

Benefits

Verizon AI Connect can help logistics companies like yours maintain operational resilience and efficiency, even during sudden spikes in data demand. By dynamically managing bandwidth and rerouting traffic, teams can keep fleets, warehouses and digital platforms running smoothly, helping routing, inventory tracking and supply chain decisions remain uninterrupted.

You can leverage the data flowing through the network to develop advanced routing algorithms, predictive insights and operational efficiencies. You can also package proprietary intelligence and operational data as services for smaller logistics companies or retailers, creating subscription-based revenue streams or monetizing proprietary AI models that can turn your business into a data-driven solutions provider.

Why Verizon

Verizon AI Connect brings together the capabilities needed to manage demanding AI workloads, all supported by the strength and scale of America's most reliable network.[3] With the help of network slicing, specific bandwidth can be reserved for mission-critical applications, delivering consistent speed and reliability. You can count on fast speeds for data and enhanced performance with the support of a modern infrastructure that empowers innovation and drives growth.

- High-capacity connectivity with wavelength solutions and dark fiber for scalable, low-latency workloads
- Security built in, helping support data, privacy and compliance obligations
- Expansive data center access with the power, space and cooling needed for advanced AI computing

Learn more

Talk to your Verizon Business representative today or visit verizon.com/business/resources/scaling-ai/ai-for-business-development to explore how we can help you turn AI into new opportunities for growth.

*Verizon AI Connect is not available outside of the U.S., U.K. and France. However, the full capabilities of the solution (Wavelength, dark fiber, and other Verizon Business Group offerings that enable AI workloads) are supported where available.

1. "Architecting AI at scale," S&P Global Market Intelligence in partnership with Verizon Business, May 2025, https://www.verizon.com/business/resources/Tdb2/reports/verizon-delivering-ai-at-scale-networking-insights.pdf
2. **Based on RootMetrics® United States RootScore® Report: 2H 2025. Tested with best commercially available smartphones on three national mobile networks across all available network types. Your experiences may vary. RootMetrics rankings are not an endorsement of Verizon. All rights reserved.**
3. **Ibid.**

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