

Lumen® Edge Computing Solutions: Manufacturing & Logistics



Drive revenue and customer satisfaction by enhancing the speed of your digital business – to help give you a competitive edge, globally

Make data-driven decisions at the edge

You excel at being connected – to your customers, employees, suppliers and partners. This connectivity helps you become increasingly data-driven. And data helps you have real-time insights into production and your supply chain, as well as deliver innovative products and services – which then leads to driving more revenue and improving customer satisfaction. But to become really data-driven, most manufacturers need a new architecture to help acquire, analyze and act on the data where it is being created. Lumen Edge Computing Solutions allow businesses to quickly obtain real-time market insights and act on those insights to transform operations, products and customer experiences.

Deploy data and compute closer to the action

Moving workloads to where digital interactions occur can help improve user experiences, increase application performance, lower costs and minimize risk. Edge computing enables an organization to realize such benefits; however, it requires overcoming the challenges in deploying data and compute closer to the action. How do you efficiently store data, secure the environment and deliver applications that meet your IT and operations requirements? Flexible edge compute solutions from Lumen, delivered over a global fiber network at very low latency in high-performance, secure edge compute facilities, answer the need.

- Overcome latency
- Enhance economics
- Minimize risk

With Lumen Edge Computing Solutions you can deploy data and compute closer to the action to empower a competitive advantage – at the edge.

Designed for digital interactions

Specifically designed for edge compute use cases, Lumen solves for customers' needs and challenges of moving workloads closer to digital interactions with flexibility and adaptability. This enables a powerful experience where it is needed most, enhances performance and outcomes, and helps the organization evolve. Lumen offers the infrastructure choices and services that enable and support the agility offered by application developers to the business while allowing initiatives, such as governance, security and economic efficiencies, to be addressed.

Lumen Edge Computing Solutions

	Business Need	Examples	Lumen Edge Solution
Storage	<ul style="list-style-type: none"> Store valuable data and be able to act on that data in real time 	<ul style="list-style-type: none"> Sensor and IoT readings Artificial intelligence and robotics data Real-time performance monitoring 	<ul style="list-style-type: none"> Designed for the edge with Network Storage and Layer-2 Ethernet connectivity enhanced by Data Access Accelerator and Layer-3 IP-VPN
Security	<ul style="list-style-type: none"> Securing applications running at the edge and protecting their data 	<ul style="list-style-type: none"> Mobile applications Distributed web applications Media distribution and optimization 	<ul style="list-style-type: none"> Web Application Firewalls (WAF) Bot Managers API Protection Distributed Denial of Service Mitigation (DDoS)
Application Delivery	<ul style="list-style-type: none"> Efficiently running high-bandwidth applications and workloads at global scale 	<ul style="list-style-type: none"> IoT software updates Video streaming and analytics Location-based analytics 	<ul style="list-style-type: none"> Comprised of CDN, CDN Edge Compute, Edge Hosting Environment, Private Cloud, and Dynamic Connections coupled with our strength in Managed Services
Intelligent Solutions	<ul style="list-style-type: none"> Processing data efficiently for asset-intensive or interaction-intensive technologies so you can acquire data from more sources, analyze patterns in real-time, and act on business logic close to interactions among devices and machines 	<ul style="list-style-type: none"> Inventory management Connected factories and robotics IoT enabled quality management Supply chain visibility and supplier management 	<ul style="list-style-type: none"> Comprised of an Edge Hosting Environment and a global Network. All strengthened by expertise and experience in Managed Services from the planning stage to the implementation and operations of the workload environment

Why Lumen

Lumen is a pioneer in the edge computing market, helping businesses place workloads in the right location to manage their data, devices, processing, security and overall digital business. We have been doing this through the delivery of exceptional assets of global network, data center footprint, security and hybrid cloud services, coupled with the Lumen strengths of industry partnerships around datacenter and cloud.

Our ability to deliver compute on customer premises with near-zero latency, or within our deep metro facilities designed for 5ms of latency or better, provides you with the infrastructure to put applications in the right place for the right SLAs. Lumen helps turbo-charge your data engine to acquire data from more sources, analyze

patterns in real-time and act upon business logic closer to the digital interaction. Our solutions enable innovations previously not possible to support applications using Artificial Intelligence (AI) and Machine Learning (ML) for robotics, real-time analytics and control systems, to name a few.

What sets Lumen apart from other providers is the combination of our network strength, data center footprint and extensive managed services experience. This is especially important when operating and integrating client requirements in a hybrid world leading toward edge computing that bridges clouds, IT infrastructure and the edge for workloads and applications to perform at required levels of latency, capacity and protection.

Enhance the speed of your digital business, today.

Visit Lumen today for more information, or contact a Lumen Expert for a consultation to get started at the edge.

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