Lumen Edge Solutions

The future of innovation is driven by data

You excel at being connected — to your customers, employees, suppliers and partners. This connectivity helps you become increasingly data-driven. And data enables you to deliver innovative products and services, driving revenue growth and enhancing customer satisfaction.

Speed up your digital business

Lumen delivers flexible edge computing solutions over a **global fiber network** in a range of facilities designed to support digital business interactions within **5 milliseconds of latency**.

What edge computing does for you

Edge computing can help by bringing computation and storage closer to the devices that generate or consume data, empowering you to obtain real-time market insights quickly and efficiently from more sources — and to use that knowledge to differentiate your enterprise. How quickly you can acquire, analyze and act on these insights to transform operations, products and customer experiences will help improve your business.

Benefits of edge deployment

Better performance of applications

Integrated solution: network, compute, storage, security and management

Consistent governance and reporting from the global cloud core to the distributed edge

Optimized ROI

Solutions that move your 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 empowers organizations to achieve these outcomes by supplying the capability to store data efficiently, secure the environment and deliver applications that meet your IT and operational requirements.

Delivered over the largest ultra-low-loss fiber network in North America in high-performance, secure edge compute facilities, the Lumen Edge Computing platform combines edge cloud and IT agility capabilities for exceptional application experiences. By leveraging our solutions as an extension of your premises, you can also minimize your IT footprint and optimize your real estate and energy costs.

LUMEN® TECHNOLOGIES

Lumen® Edge Computing Solutions

Solutions to optimize your digital business and digital operation

	Customer Need/Benefit	Description	Lumen Products
Storage	• Don't let critical operational data go to waste – build a data "base camp" in your network • IoT use case – especially ones where data is not being consistently acquired • Sensor readings, video capture, maintenance telemetry • Large data sets (e.g., healthcare monitoring, energy)	• Storage-as-a-Service to acquire, analyze and act on valuable data created from remote digital interactions • Acquire and manage untapped data by leveraging a scalable, cloud-agnostic model within the network • Once the data is stored in the network, it can be leveraged in numerous ways to create further value	• **Lumen Network Storage** • **3rd Party Edge Colocation** • **Lumen Edge Datacenter** • **Layer 2 (Ethernet) Network or DIA**
Security	• Improve availability and performance of applications that are distributed throughout the network • Mobile applications • Distributed web applications • Media distribution and optimization • Secure internet ingestion	• Secure experiences running at the edge by protecting valuable data for applications and workloads • Embedded security into network and systems to efficiently mitigate attacks and reduce risk	• **Lumen Edge Application Delivery: CDN, Web Application Firewall, Bot Resource Management, API Protections, Image Optimization, A/B Testing** • **DDoS Mitigation** • **Virtual Firewalls** • **Log Collection**
Application Delivery	• General-purpose computing power, compatible with a wide range of delivery pipelines • IoT software updates • Video streaming, video analytics, AR/VR, gaming • Location-based analytics (e.g., retail) • Branch transformation (e.g., retail banking, financial services)	• Distributed computing with support for delivering high-bandwidth applications and workloads at global scale • Improves application performance and user experience by localizing traffic • Flexible models supporting different customer software development pipelines	• **Content Delivery Network** • **Lumen Edge Application Delivery: CDN, CDN Mesh Delivery** • **Dynamic Connections** • **Lumen Edge Bare Metal** • **Managed Services Anywhere** • **Lumen Edge Private Cloud + Edge Hosting**
Intelligent Solutions	• Process data efficiently for manufacturing flow controls and delay sensitive mission-critical applications • Inventory management (e.g., warehouse, distribution) • Connected factory and robotics (e.g., manufacturing)	• Intelligent solutions for asset-intensive or interaction-intensive industries spanning technology domains and partners • Process data efficiently for key business workloads with low latency requirements	• **Network (Dynamic Connections, DIA, Managed Wi-Fi)** • **Managed Services (Devices, Clusters, Apps)** • **Managed Services Anywhere** • **Consulting and Advisory (SAP, Big Data, Architecture)** • **Virtualization Services including Private Cloud**

Why Lumen for edge computing solutions?

Lumen's combination of network strength, data center footprint and extensive managed services experience in operating and integrating hybrid environments — enables us to bridge clouds, IT infrastructure and the edge for low-latency, high-capacity, secure workloads and applications.

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