

# Lumen® Edge Computing Solutions: Retail Banking



## Elevate digital banking experiences at the edge

### Deliver immersive, personalized digital experiences

Digital banking adoption continues to rise, and customers are expecting more from their banking experience, whether they are at the branch or at home. From virtual tellers, personalized communications, location-based services and facial recognition technologies, edge computing can help institutions deploy transformative, secure and highly personalized customer service experiences that keep customers coming back. Taken to the next level, edge computing can also enable new business models with lean pop-up branch offices that are served by remote tellers and use computer vision and edge analytics to serve customers from more convenient locations, like hospitals, grocery stores and sporting events.

### 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 reduce 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

Now, you can deploy data and compute closer to the action to enable 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"> <li>Store valuable data and be able to act on that data in real time</li> </ul>	<ul style="list-style-type: none"> <li>Sensor readings</li> <li>AI-powered video capture</li> </ul>	<ul style="list-style-type: none"> <li>Designed for the edge with Network Storage and Layer-2 Ethernet connectivity enhanced by Data Access Accelerator and Layer-3 IP-VPN</li> </ul>
Security	<ul style="list-style-type: none"> <li>Securing applications running at the edge and protecting their data</li> </ul>	<ul style="list-style-type: none"> <li>Mobile applications</li> <li>Distributed web applications</li> </ul>	<ul style="list-style-type: none"> <li>Web Application Firewalls (WAF)</li> <li>Bot Managers</li> <li>API Protection</li> <li>Distributed Denial of Service Mitigation (DDoS)</li> </ul>
Application Delivery	<ul style="list-style-type: none"> <li>Efficiently running high-bandwidth applications and workloads at global scale</li> </ul>	<ul style="list-style-type: none"> <li>IoT software updates</li> <li>AI-powered Video streaming and analytics</li> <li>Location-based analytics</li> </ul>	<ul style="list-style-type: none"> <li>Comprising of CDN, CDN Edge Compute, Edge Hosting Environment, Private Cloud, and Dynamic Connections coupled with our strength in Managed Services</li> </ul>
Intelligent Solutions	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>Virtual telling and lean branch transformation</li> </ul>	<ul style="list-style-type: none"> <li>Comprising 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</li> </ul>

## Why Lumen

Lumen is a pioneer in the edge computing market, helping businesses place workloads in the right location to manage data, devices, processing, security and overall digital business.

Our ability to deliver compute on customer premises with near-zero latency or within our deep metro facilities designed for 5ms or better of latency, 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 in operating and integrating client requirements. This is especially important 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.

To support our banking clients with state-of-the-art IT and competitive cost advantage, Lumen offers an audit-ready FFIEC reporting framework, data modeling and analytics practices, a consolidated managed services model and huge economies of scale.

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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