Lumen® Ethernet Fabric Connect

Simplifying high-performance private connectivity across your digital ecosystem

In today's digital-first business environment, seamless connectivity between data centers, clouds, and enterprise locations is essential for driving innovation and operational efficiency. Enterprises need a networking platform that empowers them to move data and workloads securely and efficiently across their entire digital ecosystem. With high-performance, programmable infrastructure, enterprises can support AI-driven analytics, hybrid cloud migrations, and mission-critical operations with confidence.

Unlike traditional networking, Lumen Ethernet Fabric Connect offers dynamic, on-demand connectivity that adapts quickly to changing business needs. Flexible bandwidth, rapid provisioning, and privacy are integrated with every connection, enabling organizations to scale quickly, reduce costs, and maintain control. By bridging data centers, clouds, and premises with private, SLA-backed Ethernet services, Lumen simplifies complexity and prepares networks for tomorrow's digital demands.

Accelerated deployment & scale
Quickly spin up point-to-point, multipoint, and cloud on-ramp connections using APIs or an intuitive UI. Centralize provisioning and dynamically adjust bandwidth across data center, cloud, and on-premises environments.

Enhanced performance & user experience
Route traffic over private, high-bandwidth paths to help reduce latency, bypass public internet congestion, and deliver smooth application performance—essential for AI, analytics, and real-time workloads.

Mitigated cost & operational effort
Minimize redundant ports at each site. Streamline operations through a single pane of glass to help boost agility and operational efficiency.

Heightened security & resilience
Keep data on private paths with segmentation and policy-based controls. Separate public and private connectivity as needed and integrate with Lumen® Managed Security and threat intelligence for enhanced protection.

Simplify connectivity
Self-serve your network connection in real-time, easily scaling to meet business demand via Lumen APIs and online portal user interface.

Trim cost
Efficiently connect between data centers and cloud with consumption-based, pay-as-you-go connectivity across a secure, private network.

Minimize risk
Dedicated point-to-point (EPL, EVPL), multipoint (E-LAN, EVP-LAN), and cloud on-ramp options.

"The biggest benefit of working with Lumen is having a partner with the capability and flexibility to design solutions tailored to our unique needs."

– Colby Thames
Chief Technology Officer, Certegy Payment Solutions

Current Lumen customer compensated for their endorsement

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Features and specs

Virtual Layer-2 Ethernet services on Lumen® Connectivity Fabric™

- Point-to-point (EPL, EVPL), multipoint (E-LAN, EVP-LAN), and cloud on-ramp options
- Dedicated and hosted cloud on-ramps to AWS, Azure, Google Cloud, Oracle, and more
- Self-service portal and APIs for provisioning and change

Operations & control

- Self-service portal and APIs for provisioning and change
- Real-time provisioning and elastic bandwidth; future-ready for 400 Gbps)
- Consumption-based, pay-as-you-go model
- Routing tables, traffic and NAT statistics, and logs for visibility (*note*: NAT on roadmap; availability may vary by phase)

Performance envelope

- SLA-backed private connectivity
- Lumen high-capacity backbone engineered for low latency and scale; private interconnects to leading clouds; selective 100G–400G transport options in supported markets

Common use cases

- **Data Center ↔ Data Center**: High-speed, private Ethernet links for migration, disaster recovery, burst compute, and real-time data movement.
- **Data Center ↔ Cloud**: Direct cloud on-ramps for secure, low-latency access to public clouds and SaaS platforms.
- **Premises ↔ Data Center/Cloud**: Private connections from enterprise sites to data centers or cloud providers.
- **Premises ↔ Premises**: Unified, secure networking between distributed enterprise locations for hybrid applications.

Why Lumen?

Lumen is unleashing the world's digital potential. We ignite business growth by connecting people, data, and applications – quickly, securely, and effortlessly. As the trusted network for AI, Lumen uses the scale of our network to help companies realize AI's full potential. From metro connectivity to long-haul data transport to our edge cloud, security, managed service, and digital platform capabilities, we meet our customers' needs today and as they build for tomorrow.

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