Lumen® Ethernet Services

Private Ethernet that gives you performance and control at scale

AI and real-time applications are outpacing the network, and Ethernet solutions can fail under pressure. When that happens, shared networks buckle, latency climbs, and manual provisioning cannot keep up when demand spikes. As a result, applications stall, costs are unpredictable, and every outage reaches the customer.

With Lumen Ethernet, you get a network you can trust. A unified network under one provider delivers predictable performance, simplifies operations, and ensures accountability across every connection. When demand changes, Ethernet Fabric Connect lets you turn up capacity in minutes, keeping you in control.

Performance shows up. Budgets stay protected. Control and scale stay in your hands.

Performance that holds

Dedicated capacity on a 400 Gbps private backbone keeps latency low and throughput steady, so AI and multi-cloud workloads stay fast as demand spikes.

Scale in minutes

Provision and scale capacity on demand through Lumen Connect and API, so you add bandwidth in minutes, avoid manual change tickets, and stop paying for capacity you never use.

Private and secure by design

Mission critical traffic stays off the public internet and on private Layer 2 transport, defended by Black Lotus Labs threat intelligence and 24/7 monitoring before threats reach you.

One network, one control plane

Lumen owns and operates the entire path across 10M+ locations and 2,200+ partnered data centers, so every workload runs on one consistent, accountable network you can trust at scale, backed by SLAs up to 99.999%.



"Partnering with Lumen helps us manage our network more effectively. Instead of trying to keep the network up, I'm focused on improving our service."

- **Ted Dayno***

Senior Network Engineer, alphabroder

Common use cases

- Multi-site and hybrid cloud connectivity
- Data center mirroring for business continuity (E-Line EPL)
- Centralized storage and branch connectivity (E-Line EVPL)
- Healthcare and distributed operations (E-LAN)
- AI and data intensive workload transport, cloud migration, and multi-cloud integration

LUMEN® TECHNOLOGIES

*Current Lumen customer compensated for their endorsement

Features and Specs

Key Capabilities

- Service portfolio: Ethernet Fabric Connect for on-demand connectivity; E-Line, E-LAN, E-Access, and E-Lynk for point to point, point to multipoint, multipoint to multipoint, off-net, and distributed site access
- Scale bandwidth from 2 Mbps to 400 Gbps*
- Port speeds: 100 Mbps, 1 Gbps, 10 Gbps, 100 Gbps, 400 Gbps*
- Layer 2 switched Ethernet over private backbone
- Availability SLA up to 99.999%
- MEF CE 3.0 certified across all configurations
- Two Class of Service models: Single CoS (per EVC) and Multi CoS (per frame)

Experience

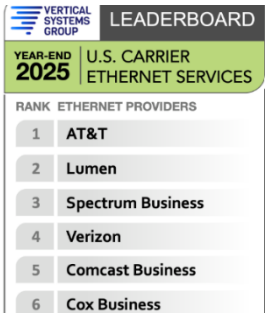
Control and Visibility with Lumen Connect℠

- Manage all your Lumen services in a single control plane to streamline operations and complete visibility across your network
- Self-service navigation for rapid troubleshooting and optimization
- Near real time visibility into service health, performance, and network activity
- Customizable dashboards and proactive alerts
- Billing, orders, tickets, and service documentation in one place
- Secure platform with auditability and multi-factor authentication

Network Reach and Performance

- 2,200+ global on net third party data centers
- Up to 400 Gbps* capable backbone available in 70+ third-party data centers across 16 key U.S. metro markets
- 125+ North American optical cloud on ramps
- Private interconnect for hybrid and multi-cloud
- Extensive low latency route diversity
- Approximately 340,000 global fiber route miles

Industry Leader in Ethernet services



A top-ranked U.S. Carrier Ethernet Services provider by Vertical Systems Group for several years



2024 Frost & Sullivan North American Technology Innovation Leader

Why Lumen?

Lumen is the trusted network for AI. From metro to long haul to cloud on ramps. Your most demanding workloads run on one network, under one provider, with full control and a single point of accountability across the entire path.

This is why customers choose Lumen. Changes happen faster, problems get solved at the source, and you can scale everywhere you need it. AI and multi-cloud workloads run on connectivity backed by up to 99.999% SLAs with Black Lotus Labs threat intelligence. As your business needs grow, Lumen is the network you can trust for your most critical applications.

One network. One platform. Confidence across every connection.

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*On a case-by-case basis

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