# Lumen® Ethernet Services

Reliable, high-performance connectivity for business-critical applications. Designed to deliver secure, scalable, and low-latency network solutions.

Driven by AI and digital transformation, enterprises are modernizing connectivity to move data predictably across sites, data centers, and clouds.

As digital transformation accelerates, enterprises face surging demand for secure, high-capacity connectivity to support AI, machine learning, and data-intensive workloads. Ethernet is evolving to meet these needs, enabling private, deterministic transport across distributed sites, clouds, and data centers.

With multi-cloud adoption and real-time analytics on the rise, organizations require agile networks that deliver predictable performance, low latency, and granular control—empowering seamless collaboration and rapid innovation.

### Scalability

Flexible bandwidth options—from 2 Mbps to 100 Gbps (400 Gbps on a case-by-case basis), which allow enterprises to scale connectivity as business needs evolve, supporting everything from branch sites to high-capacity data center interconnects.

### Performance & Reliability

Deterministic, low-latency transport with robust SLAs for uptime, latency, jitter, and packet loss. Ethernet delivers predictable performance for mission-critical applications, real-time analytics, and AI/ML workloads.

### Security & Segmentation

Private Layer-2 connectivity keeps traffic off the public internet, enabling secure data exchange and network segmentation for compliance support, sensitive workloads, and multi-tenant environments.

### Operational efficiency and reduced costs

Digital ordering, rapid provisioning in minutes, and centralized management simplify deployment and day-to-day operations—helping teams work fast and smart enabling lower costs.



"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 Centers mirroring for business continuity and disaster recovery with point-to-point E-Line EPL
- Link HQ with branches for centralized storage and management with point to multipoint E-Line EVPL
- Connect hospitals, clinics, and care facilities together with multipoint-to-multipoint E-LAN

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TECHNOLOGIES

*Current Lumen customer compensated for their endorsement

## Features and Specs

**Next-gen networks with AI-powered features**

- Scalable service bandwidths available from 2 Mbps to 100 Gbps (up to 400 Gbps on a case-by-case basis)

- Port speeds available: 100 Mbps, 1 Gbps, 10 Gbps, 100 Gbps (up to 400 Gbps on a case-by-case basis)

- Layer 2 switched Ethernet over private 400 Gbps backbone

- Topology: point-to-point, point-to-multipoint, and multipoint-to-multipoint private connections

- Availability SLA: up to 99.999%

- MEF CE 3.0 industry standards certification for all configurations

- Two Class of Service models:

  -Single-CoS: Basic, Enhanced, or Dedicated, on a per-EVC basis

  -Multi-CoS: Per-frame basis

## Experience

**Near real-time visibility and unified control with Lumen Connect[SM]**

- Manage all your Lumen services with a unified, modern platform to help streamline operations and reduce tool sprawl

- Seamless navigation and a self-service document experience help enable rapid troubleshooting and optimization

- Gain near real-time visibility into service health, performance, and network activity with customizable dashboards and proactive alerts

- Use Lumen Connect to view billing, track orders, manage tickets, and access service documentation in one place

- Built on a secure, reliable platform with auditability and multi-factor authentication

## Lumen Network

**Connect your employees, partners, and customers**

- Direct, high-speed access to cloud providers through 70+ upgraded third-party data centers

- Scale bandwidth in minutes from 2 Mbps to 100 Gbps (up to 400 Gbps on a case-by-case basis)

- 400 Gbps backbone supports 100 Gbps traffic across key markets

- Private interconnect to major on-ramp data centers for hybrid/multi-cloud

- Extensive low-latency route diversity

- 100 Gbps Metro Ethernet available in 16 major markets

- 125+ North America optical cloud on ramps

- 2,200+ global on-net third-party data centers

- ~340,000 global fiber route miles

## Innovative Leader in Ethernet services



| VERTICAL SYSTEMS GROUP | LEADERBOARD |
|---|---|
| YEAR-END **2025** | U.S. CARRIER ETHERNET SERVICES |

| RANK | ETHERNET PROVIDERS |
|---|---|
| 1 | AT&T |
| 2 | Lumen |
| 3 | Spectrum Business |
| 4 | Verizon |
| 5 | Comcast Business |
| 6 | Cox Business |

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's network is built for scale, speed, and reach. With approximately 340,000 global route miles, Lumen® Ethernet delivers private, high-capacity Layer-2 connectivity, scaling from 2 Mbps up to 100Gbps at 70+ upgraded data centers (and 400Gbps available on a case-by-case basis), all backed by SLAs up to 99.999% availability. With Ethernet Fabric Connect, you can scale bandwidth or provision new services in just minutes—simply, privately, and on your terms. What helps set Lumen apart is the control, flexibility, and reliability you gain through services on a secure, private backbone. By keeping traffic on a private transport domain and enabling direct interconnects to data centers and cloud on-ramps, Lumen helps protect sensitive data and enables predictable, low-latency performance with 24/7 monitoring and proactive support. When your business demands speed, reliability, and protected scale, Lumen delivers all three.

866-352-0291  |  lumen.com  |  info@lumen.com

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