Lumen® High-Speed IP Transit

Setting the standard for IP Transit service

Harness the power of the Lumen Tier-1 global internet backbone with IP transit across the #1 most peered global network.[1] With the most reach and share of IP addresses globally[2], Lumen delivers robust performance, scale, and reliability. More than half of traffic originating on the Lumen network, stays on network.

Grow your network operations with confidence featuring high-speed support for 400G interfaces. Our deeply peered architecture, massive wavelength access network that meets you where you are, and a global footprint enable secure, scalable IP Transit designed to meet the demands of data-intensive, latency-sensitive AI applications.

Leading Network Interconnectivity

- Optimize your traffic with fast routes and minimize hops. Our leading peering relationships around the world and extensive network coverage keeps over half of traffic originating on the Lumen network, on network.

- With access to over 6,300 interconnects[1] and support for 400G interfaces, the Lumen network is ready to scale with your operations.

Streamlined Operations

- Flexible access and scalable bandwidth backed by robust SLAs and billing options to help keep your business agile and ready for change.

Reliability Trusted by the Largest Enterprises

- With the #1 IP network chosen by Fortune 500 companies, gain the confidence of enterprise-grade performance and reliability.[2]

Core Network Security Built-in

- Minimize cyber risk, support compliance, and protect uptime without adding complexity or extra tools. Lumen provides secure network-level protection and offers comprehensive security solutions for even more advanced defenses.

- Security provided by Black Lotus Labs, offering Threat Intelligence and 24x7 intrusion detection monitoring.

Comprehensive coverage globally and locally, the Lumen network features deep, local peering in large and small markets for optimal performance.

With Lumen, you're connected to the #1 peered global network and approximately 340,000 global route miles of fiber.

Common use cases

- Regional ISPs with 'eyeballs' consuming digital content.

- Hosting providers needing IP transit for their customer assets.

- Video game companies looking to optimize end-user experience.

LUMEN®
TECHNOLOGIES

[1] The Center for Applied Internet Data Analysis (CAIDA), AS Rank, February 2025.
[2] Telegeography citation, October 2025.

Features and Specs

Key Capabilities

- Lumen operates the #1 Most Peered Global Network
- #1 Most Reach and Share of IP Addresses Globally
- Expansive peering capacity of more than 350+ Tbps
- More than half of traffic that originates on our network terminates on our network
- Link Aggregation (LAG) and multiple diversity options
- BGP Communities for precise routing and traffic optimization.
- IPv4/IPv6 dual stack and an inventory of IPv4 addresses
- BGP and Static Routing options

Control and Visibility

- Lumen® Connect delivers a centralized portal to help manage your entire service experience
- Users control settings for personalized watch/warning thresholds with email alerts
- Network Visibility provides customers with site-specific and circuit specific performance visibility including latency, jitter, packet delivery, and bandwidth utilization
- The Lumen API Developer Center offers access to Business Integration APIs: Service Availability, Quoting Ordering, Order Status, Service Diagnostics, Customer Billing, Ticketing and Scheduled Maintenance

Access options

- Lumen and third-party cross connection
- Wavelengths
- Ethernet Private Line

Port interfaces

- GIG-E, 10GIG-E, 100GIG-E, 400GIG-E

Dedicated Support

- 99.99% service availability SLA to support service
- Staff of solution architects dedicated to finding the best solutions to meet your business needs
- 24/7 dedicated operational support from experienced IP and Security professionals

Comprehensive Security Solutions

- Threat intelligence from Black Lotus Labs®
- Resource Public Key Infrastructure (RPKI) for Route Origin Validation
- Optional DDoS mitigation service
- 24/7 Network Monitoring from our global SOCs

Billing options

- Flat rate: Fixed MRC for the Peak Data Rate (PDR), bursting not available
- Commit plus burst: Fixed MRC for the Committed Data Rate (CDR), burst charge based on P95 usage in excess of the CDR
- Billing arrangement: Fixed MRC for the Aggregate Committed Data Rate (ACDR), burst charge based on P95 usage across multiple ports in excess of the ACDR

Peering Provider Verified Gold — Quickly turn up and scale connectivity with Lumen and reliably connect with Google services via high-speed enterprise-grade internet for optimal performance, for no additional cost.

Microsoft Azure — Lumen DIA customers with BGP routing can use Microsoft Azure Peering for no additional cost.

Why Lumen?

Lumen Internet Services are recognized by global enterprises for scalability, availability, and reliability. We deliver a network experience that is easy to set up, simple to purchase and quick to install. With a highly peered global IP network, Lumen provides the high-speed, low-latency connectivity your organization needs to excel in today's AI-driven economy.

LUMEN®
TECHNOLOGIES