Lumen® High Speed IP Service

Setting the standard for customer experience.

We understand the Internet experience you provide is vital – and it's only as good as the underlying network's quality. That's why we built Lumen High Speed IP (HSIP) network to be fast, reliable, and ready to scale with your business growth. Our HSIP service provides access to a global IP backbone across North America, Europe, and Asia. This service includes sophisticated network security, a comprehensive range of port interface speeds, online performance reports, and service management capabilities. By combining our ability to scale, our extensive network reach, and the reliability of our resilient network, our customers receive a quality IP service with proven performance.

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 HSIP service is available for interconnection in over 35 countries with over 150 PoPs globally.

Global connections

- Lumen has the capability to connect customers to network services in over 60 countries, and approximately 400,000 global route miles of fiber.

Built-in security

- Lumen set a standard for maintaining clean, safe network-level protection and a full comprehensive Lumen® Managed Security solution to help protect our end users.

Streamlined operations

- Flexible access, bandwidth, and billing options – with services backed by comprehensive SLAs to accommodate your changing business needs.

High-performance

- Internet bandwidth that is dedicated to your business, supporting real-time applications like video and voice. As a vastly connected internet service provider (ISP), you can reach destinations fast with fewer hops utilizing the Lumen network.

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Features and Specs

Access options

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

Port interfaces

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

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

Lumen® Internet Service Benefits

Efficiently support your growing business with our scale, reliability, and global reach

- AS3356 is the #1 peered global network[1]
- Expansive peering capacity of more than 550+ Tbps
- More than 60% of traffic that originates on our network terminates on our network

Flexible capabilities to meet your IP Transit demands

- Flexible range of high-speed service options
- IPv4/IPv6 dual stack and an inventory of IPv4 addresses
- BPG and Static Routing options

Protect your organization and end users with sophisticated 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

Lumen is among the first Microsoft Azure Peering Service ISP partners in North America.

Lumen HSIP customers with BGP routing can use Microsoft Azure Peering Service today for no additional cost.

Contact your Lumen account team to get started.

Microsoft Azure

Why Lumen?

Lumen IP Services combine proven performance with global internet reach and scalability. We operate a vast IP backbone enabling us to offer customers proven service, even for standard requirements. From low to high speeds, our IP services are designed to deliver maximum performance in virtually any location.

[1] CAIDA, AS Rank *December 2022*

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