

Secure, reliable connectivity for business continuity

Lumen® Dedicated Internet Access + Distributed Denial of Service Mitigation

A reliable, secure, and high-performance connection is essential for enabling AI strategies, providing business continuity, and delivering great customer experiences. As cybersecurity threats increase, your network also needs components that proactively protect against distributed denial of service (DDoS) threats.

Lumen offers an integrated solution that provides secure, reliable connectivity and protection against volumetric attacks. The integrated DIA and DDoS Mitigation solution addresses the challenge of vulnerable digital environments by delivering a high-performance connection that proactively protects against threats, helping ensure both business continuity and optimal customer experience.

Lumen solutions help you focus on customer experience, protection of digital assets, and resilient operations while continuing to innovate and compete in an AI-driven world.

How can this integrated solution help you achieve your goals?

Reliable and secure connectivity and availability along with proactive threat protection powered by Black Lotus Labs to help you maintain continuous operations, to help improve efficiency, maximize customer digital experiences, and enhance competitiveness.

Robust and proactive security measures help minimize the risk of disruptions, maintaining smooth operations, optimal customer experiences, and business continuity.

Streamlined operations and effective security measures can help minimize unexpected expenses and overall costs, maximizing ROI and aligning spending with strategic business goals.

"I had the perfect dream team. I was able to accomplish what I needed to do if I needed something, and I was able to get a response back in a very reasonable time. I am thankful for the team."

– **Mahendra Verma**

VP, Sr. Network Engineering Manager, Horizon Bank¹



Common use cases

- Protect critical business processes and customer experiences from disruptions and quickly recover from cyber attacks, maintaining smooth, reliable operations and minimizing downtime and financial losses.
- Build scalable infrastructure ready for modern and AI-driven applications, streamline operations to help reduce costs, enhance performance, and provide robust protection against volumetric attacks.
- Deliver seamless online experiences to enhance customer satisfaction and loyalty, while fostering innovation with secure, reliable connectivity.

A closer look at Lumen DIA + DDoS Mitigation

Dedicated Internet Access

- Scale your business to reach global customers and vendors virtually anywhere with speeds up to 100 Gbps.
- High-speed connectivity and resiliency with built-in security to help you expand your reach, increase user capacity and enhance digital services.

DDoS Mitigation

- Protect your network with smart, scalable attack mitigation capacity, with 1-second time-to-mitigate for most attacks after traffic hits scrubbing centers.
- Rapid Threat Defense countermeasures are updated with the latest intelligence from Black Lotus Labs.
- The Lumen multi-tiered scrubbing architecture is backed by 170 Tbps of network-based mitigation capacity enacted at 500+ global scrubbing locations. Lumen operates a network that encompasses over 6,300 unique AS interconnects² and over 350Tbps of total global ingress/egress capacity.
- Carrier-agnostic protection covers Lumen and third-party connections for IPv4 and IPv6 traffic.
- Customer traffic is onboarded at the closest scrubbing center or at hundreds of Lumen internet or IP VPN POPs globally.
- Global security operations centers (SOCs) offer around-the-clock support.
- Automated detection and response with Rapid Threat Defense stops DDoS bot traffic at the network level.

Explore more services

Lumen® Cloud Communications

- Manage your calls, messages, and video meetings from a single application, and add support for specialty lines, with Lumen Cloud Communications.
- Shift communication tools to the cloud.
- Deliver a single platform for voice, video, and more.
- **Specialty lines** support essential life and safety systems like fire alarms, security, and elevators.

Managed & Professional Services

- Lumen® Managed Network Services handles the heavy lifting for you, with consulting, implementation, and 24/7 management for your global network solutions, backed by a team of experts.

Why Lumen?

Lumen is the trusted network for AI. Industry leaders trust the Lumen network infrastructure to build AI capacities. With a comprehensive portfolio, Lumen can help your business deliver high-quality connectivity, reduce costs and complexity, and enhance your security posture. Rely on the extensive and deeply peered Lumen global network, Black Lotus Labs' threat intelligence, and our team of experts to help deploy and manage the solution.

¹ Current Lumen customer compensated for their endorsement

² CAIDA, AS Rank, March 2024

Lumen's suite of individual components can be selected individually to meet your organization's needs.

To learn more and order services, contact your Lumen Channel Partner or visit lumen.com