

Lumen® Public Sector Broadband Access Services (EBAS) for Low Earth Orbit (LEO) Satellite Service

Revolutionizing connectivity: Lumen and Starlink's collaboration for global satellite internet access

Lumen working with Starlink brings you high-speed, low-latency internet powered by Starlink's LEO satellite technology—perfect for remote or underserved areas where traditional connections fall short. With this collaboration, Lumen Enterprise Broadband Access Services (EBAS) provides a solution that covers everything from procurement to installation and ongoing support. This means you get reliable service that just works. By integrating Starlink's satellite coverage with Lumen's robust network and support, your business gains seamless, resilient connectivity virtually anywhere, to help you stay productive no matter your location.

Enhanced connectivity

The Starlink satellite service with Lumen provides reliable internet access in underserved and remote areas, with download speeds that can reach 40-220 Mbps, upload speeds of 8-25 Mbps, and latency ranging from 25-60 ms.*

Ease of business operations

Lumen provides a comprehensive solution that includes procurement, installation, and ongoing support of the service and hardware, simplifying the process for businesses and reducing administrative and operational complexities.

With a unified billing account, you can easily track and manage all your services across multiple sites, saving you time and minimizing the hassle.

Professional support & service management

Lumen offers professional installation and first-call troubleshooting if service issues are encountered. This helps ensure that businesses have reliable support and service management, enhancing the overall user experience.



“Starlink’s technology combined with Lumen ultra-low-loss intercity fiber network, and managed network and security services, enables businesses to replace costly legacy solutions with more flexible and high-performing networks anywhere they operate”

– Josh Finke
SVP Public Sector, Lumen

Common use cases

- Public Sector: Provides highly reliable connectivity for sectors like healthcare, transportation, and logistics, even without high speeds
- Industrial Campus Deployments: Uses a combination of 5G and LEO for primary or backup connections via a private network
- Mission Critical: Provides communication when terrestrial infrastructure is impacted by natural disasters like floods, hurricanes, and fires
- Education: Offers primary internet connectivity for rural K-12 schools, districts, and libraries where broadband services are not available

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*Performance may vary. Stated speeds and latency are not guaranteed and may fluctuate. Source: Starlink Service Plans & Performance

Enterprise Broadband Access Service (EBAS)

- Lumen EBAS delivers fast, low-latency internet by reselling and managing third-party broadband solutions like Starlink. Lumen handles procurement and installation to activation and repair for seamless connectivity, enhanced efficiency, and reliable solutions that meet the demands of today's digital landscape.

Product Component Details

Lumen offers two Starlink solutions: the Flat High Performance Kit and Enterprise Kit—so you can choose the one that best suits your needs. (see figure 1 for details)

Flat high performance kit

- The Flat High-Performance Kit is designed for businesses that need the highest level of internet reliability and performance in extreme environments. It offers a wider field of view, better satellite connectivity, and is built to withstand severe weather conditions, making it ideal for mobility and remote applications.

Enterprise Kit for the Public Sector

- The Enterprise Kit is more affordable and is suited for organizations with fixed-site internet needs. It offers high-speed, reliable internet with lower power consumption and installation flexibility, making it perfect for companies that prefer to use their own networking equipment and don't require extreme weather resilience.

Features & Specs

Low Latency

- The Flat High-Performance Kit ensures unmatched internet dependability and speed for organizations operating in harsh conditions. Featuring a broader field of view, superior satellite connection, and durability against extreme weather, it's tailored for mobile and off-grid use cases.

High speeds

- Starlink's LEO network provides reliable, high-speed internet for streaming and demanding apps. Lumen enhances this with professional installation and first-call troubleshooting, for continuous service and support.

Scalable global coverage

- Lumen offers flexible, scalable solutions with no limits on the number of sites, enabling businesses to grow and manage multiple locations with ease.

	Flat high performance	Enterprise kit
Designed for	Mobility applications, challenging environments	Fixed site business applications
Field of view	140°	110°
Antenna type	Electronic phased array	Electronic phased array
Orientation	Fixed	Software-assisted manual orienting
Power consumption	110-150W	75-100W
Wind speed rating	Survivable: 280 kph+ (174 mph+)	96 kph+ (60 mph+)
GPS capabilities	Enhanced GPS capabilities for better satellite connection	Standard GPS capabilities
Hardware type	Permanent installation, resilient to extreme environments	Flexible installation, choice of mount included
Satellite connectivity	Connects to more satellites for consistent connectivity while on the go	Reliable connectivity for fixed locations
Use case	High-performance, mobile applications, extreme weather conditions	Fixed site, low power consumption, direct connection with routers

Figure 1
Flat High Performance and Enterprise Kit Comparison Chart

Why Lumen?

Lumen delivers high-speed, low-latency internet through EBAS, leveraging Starlink technology to provide reliable, performance-driven solutions that support your organization's mission, wherever you are.

STARLINK