

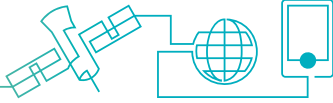
A satellite view of Earth at night, showing the Americas and parts of Europe and Africa. The landmasses are covered in a dense network of golden-yellow city lights, contrasting sharply with the dark blue and black of the oceans and the swirling white and grey clouds. The overall scene is a high-contrast, high-angle view of the planet from space.

COMMUNICATE WITH MORE POWER

Ligado Networks **SkyTerra 1 L-band Satellite**

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NETWORKS

Making
Stronger
Connections



In our business, having the most powerful commercial satellite is a game changer.

Ligado Networks offers one of the most powerful L-band commercial satellites ever built to provide ubiquitous coverage throughout North America. SkyTerra 1, the high-powered L-band satellite, enables transmissions to small, low-cost devices in narrow spot beams by using a 22-meter reflector-based antenna—the largest satellite reflector to be put into service on a commercial satellite. This advanced satellite technology brings higher data throughputs to smaller devices and offers an order of magnitude improvement over comparable L-band legacy systems with efficient spectrum reuse, and providing up to 79.3 dBW aggregate EIRP and 21 dB/K G/T.

Flexibility to meet your needs

The use of Ground Based Beam Former (GBBF) technology in the satellite ground network allows hundreds of beams to be formed over the coverage area with ground programmable beam shapes. New beams can be created and added anytime to meet customer specific coverage needs. Another key feature of the GBBF system design is the flexibility to allocate bandwidth and power resources where and when needed. This feature is extremely beneficial for everyday business applications as well as disaster recovery operations.

Bandwidth when and where you need it

The GBBF technology can create up to 1,500 L-band satellite spot beams that can service as many as 500 cells throughout the coverage area using the beam former and L-band antenna array. This enables support to a wide array of current satellite services as well as future services that will combine the benefits of both satellite and terrestrial communications. Using the GBBF allows the SkyTerra 1 satellite network to offer a flexible and robust range of new and legacy MSS services. These include IP data services for M2M, IoT and other higher throughput applications, broadcast services, GPS augmentation, and voice services including Push-to-Talk. The SkyTerra 1 satellite network offers flexible power and bandwidth allocations and quick link setups for critical services like public safety and fleet management.

Today, thousands of devices take advantage of Ligado's SkyTerra 1 satellite network to provide reliable coverage for public safety, security, fleet management, asset tracking, and energy exploration. Ligado Networks also provides hosted services through a network of satellite service providers. Ligado partners with leading-edge communications companies that apply the power of the SkyTerra 1 satellite and mid-band spectrum to bring unique and innovative technologies to market. Ligado Networks satellite services are available throughout the United States, Canada, and Mexico.

Versatility to enable new services

Through our network of partners and services providers, Ligado's SkyTerra 1 satellite network enables new, always-on IP services with low latency that offer broadcast and multicast data transport and embedded voice over a highly secure, reliable network with availability exceeding 99.97%. The spot beams enable use of small, low-cost equipment, including handheld devices and hand-portable equipment. These flexible services can further development of applications serving the communications needs of consumer, enterprise, and government segments, including M2M, vehicular and aviation services, and applications requiring quick deployment of Wi-Fi services and hotspots anywhere in our coverage region.



Become a Ligado Networks partner.

At Ligado Networks, we're all about connectivity. We're looking to connect with leading-edge communications, technology, and service companies to develop innovative business opportunities in the government, enterprise, and consumer sectors. Our services are sold on a wholesale basis, and not offered directly to end users, which means we're able to provide competitive offerings with no channel conflict.



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If you're interested in joining our network,
call us at 1-800-216-6728 or contact us at [ligado.com](https://www.ligado.com)