

Hughes Managed LEO Overview

Reliable, Low-Latency Broadband with Enterprise-Grade Managed Services Delivery, Available in 2023

For low-latency applications and service in hard-to-reach places, Low Earth Orbit (LEO) satellite connectivity from Hughes is a reliable, high-speed option. As a OneWeb distributor, Hughes can deploy LEO capacity as a managed broadband service, a multi-orbit mobility or enterprise solution, or part of a multi-transport Software-Defined Wide Area Network (SD-WAN) or highly specialized military network.

The Hughes Advantage

- Dedicated enterprise capacity – Hughes Managed LEO does not compete with consumer traffic
- Reliable and secure connectivity with enterprise grade Service Level Agreements (SLAs), 24/7 monitoring, and dedicated help desk support
- Wide range of primary and backup service plans to choose from for every location
- Experience managing and integrating transport from more than 450 global broadband partners of all types

Hughes is an investor in OneWeb and has supplied the technology expertise behind their gateway electronics and core modules, giving Hughes—and our customers—an advantage in engineering and integrating LEO solutions.

Not only a technology partner to OneWeb, Hughes also has decades of experience engineering ground systems for LEO constellations, including Iridium and Globalstar.

In one of the first implementations of OneWeb service, Hughes led systems integration and ongoing management of LEO satellite communications (SATCOM) in the Arctic. The project for the U.S. Air Force Research Lab (AFRL) connects selected U.S. military sites in this previously unserved region with secure, end-to-end service.

Hughes Electronically Steerable Flat Panel Antenna

The announcement of a new flat panel antenna technology for OneWeb LEO applications is the latest innovation available to Hughes customers for high performing, low latency connectivity.

- Sleek and innovative design of the phased array antenna is low profile and contains no moving parts, making it ideal for both fixed and mobile connectivity
- Tested and proven to support 190 Mbps down, 32 Mbps up and average roundtrip latency of 50 ms
- Capable of seamless handoffs from one satellite beam to the next every 11 seconds and one satellite to the next every three minutes, this antenna is unlike any other technology developed to date
- Engineered specifically for OneWeb LEO service, the antenna is manufactured by Hughes in its factory in Maryland, U.S.A., and is expected to be available in late 2023

For more information about Hughes Managed LEO, visit www.hughes.com/LEO

