High-Performance Flat Panel Ku band Terminal

Enables Secure Single Orbit LEO Satellite Services for the US Government

This compact, high-performance LEO-capable antenna is designed for the exclusive use of the US government and military. Made in the USA, any team member can set up the low SWAP terminal in under 30 minutes, enabling secure low-latency communications on the pause or move (COTP/COTM). The antenna also has a low probability of detection and signal interception (LPD/LPI) and works in GPS-denied environments.

- Low latency communications-on-the-move and on-the-pause (COTM/COTP) anywhere
- Forward compatible terminal will work with future U.S. government LEO satellite networks
- Low probability of detection and interception with low SWAP, powered by a standard power outlet or optionally via a 12V accessory outlet
- Configure traffic to land in a U.S. teleport via inter-satellite links (OISLs)
- Stationary, portable, or mobile use
- Multiple terminal accessories available

Globally available, low latency, high throughput LEO satellite connectivity

<250x20 Mbps downlink/uplink for latency-sensitive applications

Secure data processing and hosting of national security payloads

Proliferated LEO architecture provides constant connectivity
Intelsat’s LEO Basic Kit comes in a single cardboard box that includes:

- Antenna
- Power Supply
- Power Supply Mount
- Router
- Router Mount
- Antenna Cable 8 m (26.2 ft)
- Ethernet Cable 5 m (16.5 ft)
- Router Cable 2 m (6.5 ft)
- AC Cable (Power Supply) 1.8 m (6 ft)
- AC Cable (Router) 1.8 m (6 ft)

*Setup Guide and 2-year manufacturer warranty included.

**SPECIFICATIONS**

**ANTENNA TYPE**
Electronic Phased Array

**FIELD OF VIEW**
140° (Mount at 8° Angle for Rainfall)

**ORIENTATION**
Fixed

**DISH WEIGHT**
5.9 kg / 13 lbs without Cable
6.7 kg / 15 lbs with 8 m / 26.2 ft Cable

**DIMENSIONS**
(LxWxH): 575x511x41 mm / 22.6” x 20.1” x 1.6”

**ENVIRONMENTAL RATING**
IP56

**OPERATIONAL TEMPERATURE**
-30°C to 50°C (-22°F to 122°F)

**WIND SPEED**
Survivable: 280 kph+ (174 mph+)

**SNOW MELT CAPABILITY**
Up to 75 mm / hour (3 in / hour)

**POWER CONSUMPTION**
Average: 110-150 W

**WI-FI**
Dual Band Wi-Fi 5 - 3x3 MIMO

**USER LAN**
RJ45 Cable

**ROUTER SECURITY**
WPA2

**ROUTER RANGE**
Up to 185 m (2000 ft)

Varies on placement, interference, and materials

**POWER SPECIFICATIONS**
100–240V – 6.3A 50 – 60 Hz

**USER LAN**
RJ45 Cable

**ADDITIONAL ACCESSORIES**
AC – Cable Wi-Fi Router
Ethernet Cable – 30m
Router Cable – 30m
8m Flat High Performance (FHP) Cable
25m Flat High Performance (FHP) Cable
Power Supply
Ethernet Adapter
Mesh Wi-Fi Router
Cable Routing Kit
Mason Routing Kit
Wedge Mount Kit
FHP Pipe Adapter
Ruggedized Terminal Case

To learn more about Intelsat’s LEO-only satellite and multi-orbit solutions, visit intelsat.com and contact sales at gs-salesinquiries@intelsat.com

23-0253-LEO Terminal Sheet