

# Iridium Edge Pro

## Event driven IoT



Iridium Edge Pro messaging provides complete visibility and control of assets operating in remote areas, globally. With its two-way satellite connectivity, Iridium Edge Pro is ideal for remotely monitoring and controlling fixed and portable assets used in various IoT applications. Galaxy 1 has over 15 years of experience in connecting devices to global networks, ensuring end user data gets to its destination reliably and securely.

### Store and forward messaging

Iridium Edge Pro is a type of IoT store and forward messaging, where data from a device behind the terminal is stored locally until a scheduled moment, when it is sent near real time to a pre-defined destination. The messages are typically small in size and are charged per kb. Maximum size of the message: to mobile 240 bytes, 370 bytes (from mobile).

### Iridium Edge Pro Terminals

The Iridium Edge<sup>®</sup> Pro terminal is a small (127 x 90 x 41 mm) standalone device with Iridium Short Burst Data (SBD). It offers real-time GPS tracking capabilities and a flexible programming platform that allows developers to create and run their own custom-made applications.

- Quick Partner (VAR) Development Using Java
- Common Services Including

Geofencing, Event logging & position Reporting

- Easily paired with cellular solutions using programmable interfaces
- Standalone finished product for GPS Tracking
- Programming Over the Air
- Iridium Edge Pro Development Kit available
- Eclipse-based tools and Iridium Edge Pro development tools

### Global footprint and reliable coverage

Iridium Edge Pro is enabled by a constellation of 66 Low-Earth Orbit (LEO) mobile satellites that provide service anywhere on the planet.

### Low latency

The Iridium satellites in Low-Earth Orbit (780 km), enable signals to travel in 1/40 the time compared to geostationary satellites (36,000 km), resulting in low-latency, always-on connections ideal for Internet of Things (IoT) deployments.



## Suitability

Whereas Edge Pro does require line of sight of the Iridium satellite, no pointing of the terminal is required, as the antenna is omni-directional. The terminal has very low power consumption. It is eminently suitable for non critical infrastructure and can be used to provide daily reporting as well as reporting by exception. It is very well suited to the utility and energy sector.

## IBIS

Iridium Edge Pro is fully supported in the Galaxy 1 business support system IBIS. IBIS provides functionality for provisioning and monitoring as well as for controlling the Iridium Edge Pro terminals.



## Terminal management in IBIS

- Overview of installed base, together with other (IoT) satellite products purchased from Galaxy 1
- Near real time provisioning
- Daily Call Detail Records
- Usage monitoring with emailed alerts
- Message destination configuration

## Terminal information and control in IBIS

- Messages and message history overview
- Global map with all Iridium Edge Pro terminals
- Commands to:
  - Reboot terminal
  - Get device information / status / health
    - Hardware variant
    - Hardware revision
    - Serial number
    - BSP version
    - Firmware version
    - Bootloader version

## Other satellite IoT products:

Inmarsat IDP

EchoStar LoRa Direct to Satellite

## More information

Please contact your account manager or visit [www.g1sat.com](http://www.g1sat.com).