IRIDIUM EDGE PRO
GPS TRACKING SHORT BURST DATA

Ordering Part #: 106-00001-01

Description

The Iridium Edge® Pro is a standalone device with Short Burst Data® (SBD) that offers real-time GPS tracking capabilities, and a flexible programming platform that allows developers to create and run their own custom-made applications. Example uses include fisheries, vessel and fleet management, and remote monitoring.

Benefits

Highly Mobile - The Iridium® satellite network provides communication and connectivity for mobile applications like oil and gas, transportation, agriculture and surface mining anywhere on the planet allowing tracking and monitoring of vehicles and assets operating in remote areas.

Reliable Coverage - Devices using the Iridium satellite network are 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 (~800 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.

Mechanical Specifications

Dimension	127 mm X 90 mm x 41 mm (L x W x H)
Weight	200 g
Mating Connector	18 Pin Female (Right Angle & Straight Through Options)

Environmental Specifications

Storage Temperature	-40 C to 85 C
Operating Temperature	-40 C to 70 C
Operational Vibration	18 Pin Female (Right Angle & Straight Through Options)
Shock	1 m Drop Test as per SAE J1455
Salt Spray	SAE J1455 Section 4.3.3.1
Low Pressure Storage	30,000 Feet
Humidity	SAE J1455 Section 4.2.3
Ingress Protection	IP67
Splash Testing	SAE J1455 Section 4.4.3.2
Steam and Pressure Washing	SAE J1455 Section 4.5.3

Features

- Quick partner (VAR) development using Java
- Common services including geofencing, event logging and position reporting
- Easily paired with cellular solutions using programmable interfaces
- Standalone finished product for GPS tracking
- Programming over the air
- Low-cost development kits available
- Eclipse based IDE and Virtual Device emulators

Power Parameters

Input Voltage	7 to 32 V
Load Dump	SAE J1455 Section 4.13.2.2.1

Interfaces

BLE*, CANBus*, & USB Interfaces
(2) x Analog Input or Digital Input
(2) x Digital Input or Output

Internal Sensors

Accelerometer
Temperature Sen
GPS/GLONASS/Galileo/Beidou

Regulatory Standards and Compliance

US (FCC), EU (CE MARK), CANADA(IC), ROHS