

# EDGE<sup>®</sup> PRO

- Standalone Finished Product for GPS Tracking
- Asset Monitoring Applications
- Quick Partner (VAR) Development Using Java

Iridium Edge Pro is the first programmable solution for asset management, tracking, and recovery.

The Iridium Edge<sup>®</sup> Pro is a standalone IoT device with Short Burst Data<sup>®</sup> (SBD<sup>®</sup>) that offers real-time GPS tracking capabilities over the reliable, low-latency Iridium network. With a flexible programming platform that allows partners to create and run their own custom-made applications, the Iridium Edge Pro addresses many IoT markets in need of truly global connectivity, including vessel and fleet management, remote monitoring, security, and more.

## Features

- A Programmable, Integrated Remote Device with Interfaces for Sensor and Equipment Integration
- Quick Partner (VAR) Development Using Java
- Built-in Services including: Geofencing, Event Logging, Position Reporting, Modbus, J1939 and BLE
- Easily Paired with Cellular Solutions Using Programmable Interfaces
- Standalone Finished Product for GPS Tracking
- Programming Over the Air
- Industry Standard Eclipse Based Integrated Development Environment (IDE)
- Virtual Device Emulator Including Simulators for GPS/SBD and I/Os



# EDGE<sup>®</sup> PRO



## MECHANICAL SPECIFICATIONS

Dimensions	127 mm X 90 mm x 41 mm (L x W x H)
Weight	200 g
Mating Connector	18 Pin Female (Right Angle and Straight Through Options)
Connector Cover	Included for Additional Protection (Optional)

## POWER SUPPLY

Input Voltage	32V
Load Dump	SAE J1455 Section 4.13.2.2.1

## INTERFACES

BLE, CANBus, & USB  
(2) x Analog Input or Digital Input  
(2) x Digital Input or Output  
RS-485 & RS-232

## INTERNAL SENSORS

Accelerometer  
Temperature Sensor  
GPS/GLONASS/Galileo/Beidou  
Voltage Input

## ENVIRONMENTAL SPECIFICATIONS

Storage Temperature	-40 C to 85 C
Operating Temperature	-40 C to 70 C
Operational Vibration	SAE J1455 Section 4.10
Shock	1 m Drop Test as per SAE J1455
Salt Spray	AE 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

## REGULATORY STANDARDS AND COMPLIANCE

US (FCC), EU (CE MARK), CANADA(IC), ROHS  
IEC 60945  
C1D2 Groups A, B, C, D Certification to ANSI/ISA 12.12.01-2011

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