

Iridium Edge® Pro*

Part #: EDGEPRO9690

Data Sheet

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 communications 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.

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



MECHANICAL SPECIFICATIONS

| | |
|------------------|--|
| Dimensions | 127 mm X 90 mm x 41 mm (L x W x H) |
| Weight | 200g |
| Mating Connector | 18 pin female (right angle and straight through options) |



POWER PARAMETERS

| | |
|---------------|------------------------------|
| Input Voltage | 7 to 40V |
| Load Dump | SAE J1455 Section 4.13.2.2.1 |

INTERFACES

- BLE, CAN Bus, and USS Interfaces
- (2) x Analog or Digital Output
- (2) x Digital Input or Output

INTERNAL SENSORS

- Accelerometer
- Temperature Sensor
- GPS/GLONASS/Galileo/Beidou

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 J 1455 |
| 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 |

REGULATORY STANDARDS AND COMPLIANCE

- US (FCC), EU (CE MARK), CANADA(IC), ROHS
- IEC 60945
- C1 D2 Groups A, B, C, D certification to ANSI/ISA 12.12.01-2011

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