Iridium Edge®
Part #: EDGE1601

Iridium Edge® is a a ready-to-go, reliable satellite communications device that expands connectivity beyond cellular limits for truly global connectivity. This satellite add-on has dual-mode capability and reduces the cost, uncertainties and complications associated with hardware development, manufacturing and certification.

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 - Solutions built 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, ideal for Internet of Things (IoT) deployments.

FEATURES

- ▶ Hardware-Ready Device for Simple, Low Risk Integration
- ▶ Low-Cost Product for Affordable Customer Adoption
- ▶ Satellite Add-On for Truly Global Coverage
- ▶ Ready-To-Install for Quick Time-to-market
- ▶ Robust Power Supply for Industrial Installations
- ▶ Certified in Key Geographic Markets
- ▶ 180° Line of Sight for Compromised, Partially Blocked Locations
- ▶ Iridium Short Burst Data® (SBD®) modem for Iridium's Superior Network Advantages

MECHANICAL SPECIFICATIONS

Dimensions	130 mm X 80 mm x 30 mm (L x W x H)
Weight	320 g
Mating Connector	M12 - 818 pin male (terminated on 20cm pigtail cable)

POWER PARAMETERS

Power Supply	(9 - 32V), Maximum: 1.6W
Load Dump	SAE J1455 Load Dump Protected
Low Power Modes	< 200µA

INTERFACES

RS232 AT Command Interface
On/Off Control Lines

ENVIRONMENTAL SPECIFICATIONS

Storage Temperature	- 40 C to 85 C
Operating Temperature	- 40 C to 85 C
Vibration	SAE J1455 Section 4.10
Ingress Protection	IP67

REGULATORY STANDARDS AND COMPLIANCE*

US (FCC), EU (CE Mark)

* For complete information on local in-country approvals, refer to an authorized Iridium Service Provider.