



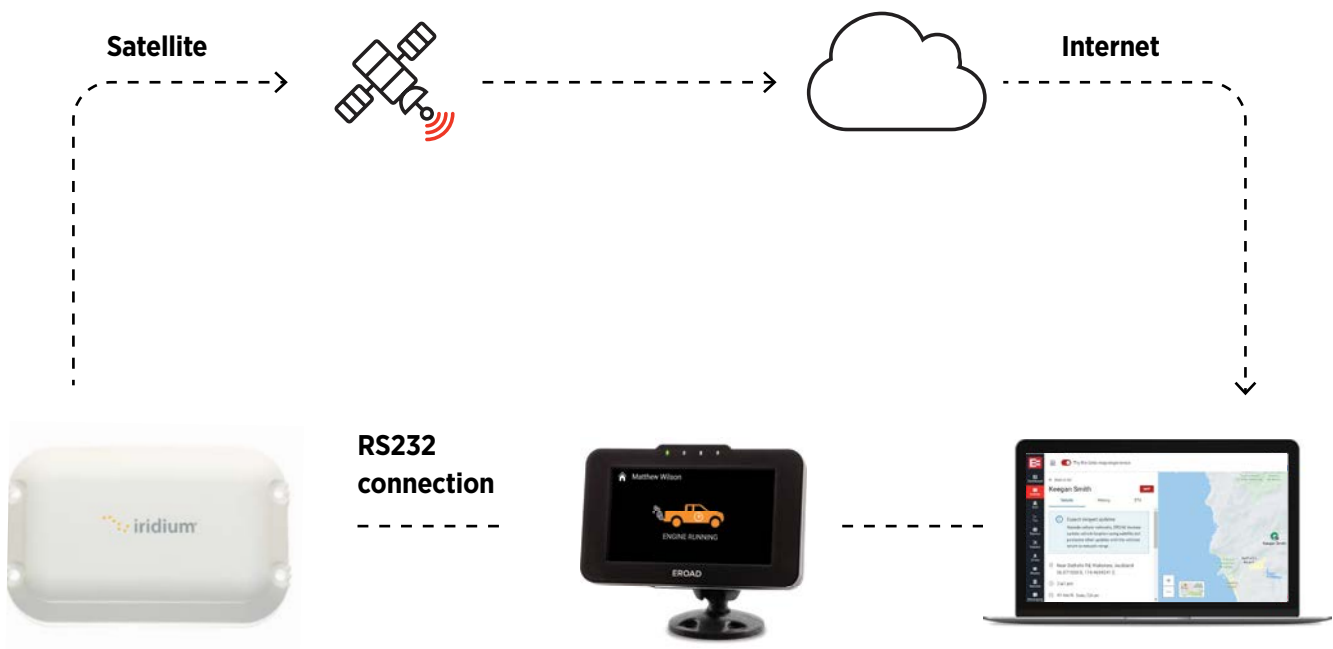
**EROAD**

# EROAD Satellite Communications

## Maintain visibility of your fleet in remote areas

**EROAD Satellite Communications is a live GPS vehicle tracking solution that uses the Iridium® satellite network to ensure your vehicles are within communication range, even when your fleet leaves cellular network coverage.**

Enabled by the Iridium Edge™ device, EROAD Satellite Communications offers full visibility of the location, status, and safety of your remote vehicle fleet.



### ROBUST SOLUTION

The Iridium Edge™ satellite modem is made for harsh, rugged environments and is easily paired with your Ehubo2 in-cab telematics device and MyEROAD platform to stay connected with your fleet.

### LEAST COST MESSAGE ROUTING

Means that you are communicating cost effectively and will only use satellite communication when you really need it i.e., when no cellular coverage is available.

### FLEXIBLE DATA PLANS

Change your airtime contracts to match your fleet's operational requirements. Set daily communication limits with duration between location updates as well as messages on priority events.



## IRIDIUM EDGE™ KEY FEATURES

The Iridium Edge™ modem is a ready-to-go, reliable satellite communications device that extends connectivity beyond phone network coverage.

- **Hardware-ready device** for simple, low risk integration
- **Low-cost device** 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 DataSM<sup>SM</sup>** (SBDSM<sup>SM</sup>) modem for Iridium's superior network advantages



## TECHNICAL SPECIFICATIONS

### Network

Frequency: 1616 - 1626.5 MHz

Message Size: 270 bytes (Receive),  
340 bytes (Transmit)

SBD Transceiver: Iridium 9602N

Antenna: Integrated Iridium®  
certified antenna

### Mechanical

Dimensions:  
130 mm (L) x 80 mm (W) x 30 mm (H)

Ingress Protection: IP 67

Side and Bottom Cable Exits

Connector: M12-8 pin male, terminated  
on 20cm pigtail cable

Installation Options: Pole, Screw, Tape

### Interfaces

RS232 AT Command Interface

On/Off Control Lines

### Power

Power Supply: (9-32V), SAE J1455  
Load Dump Protected

Maximum Power: 1.6W  
(Peak for Short Transmit Burst)

Low Power Modes: < 200uA

Reverse Polarity Protection

### Environmental

Operating Temperature Range:  
-40C to 85C

Storage Temperature Range:  
-40C to 85C

Vibration: SAE J1455, Section 4.10

### Certifications

Iridium® Satellite Network Certification

RoHS Compliant

FCC, IC, CE, Australia Approvals

Iridium, and Iridium Edge are registered trademarks of Iridium Satellite LLC and its affiliates.

## About EROAD

EROAD develops technology solutions (products and services) that manage vehicle fleets, support regulatory compliance, improve driver safety and reduce the costs associated with driving. EROAD also provides valuable insights and data analytics to universities, government agencies and others who research, trial and evaluate future transport networks. This data enables those who use the roads to influence the design, management and funding of future transport networks.

See [www.eroad.co.nz/products](http://www.eroad.co.nz/products), or call **0800 4 EROAD** for more information.