

## @Road Satellite Modem



### Additional Connectivity for Special Situations

@Road<sup>®</sup> Satellite Modem is an advanced communications device that gives companies complete 24x7 coverage when cellular connections are unavailable. Satellite Modem, with hardware from EMS Technologies, is an optional feature of the @Road GeoManager<sub>SM</sub> iLM<sup>®</sup> solution that offers dual-mode wireless capabilities, combining L-band satellite technology with standard @Road wireless data transmission and messaging capabilities.

Companies that operate in remote locations, such as nationwide, long-distance transportation and distribution operations, require the additional connectivity capabilities that @Road Satellite Modem offers. The current standard practice when vehicles are out of the cellular coverage area is automatic data storage, then forwarding when coverage becomes available again. In these situations, Satellite Modem goes into operation automatically, providing cost-effective, real-time position data and location history, message transmission or receipt, and electronic driver logs.

### Achieve Continuous Coverage in Remote Areas

Using the Satellite Modem means that continuous coverage becomes realistic despite remote locations of vehicles, yet cost-effectiveness is maintained because the satellite connection is used only when a lower-cost cellular connection is not available. Satellite transmissions are accomplished quickly, typically with less than a 20-second latency end to end.

Working with the @Road iLM 3100-W Series or iLM 2700 Series hardware, customers who use Satellite Modem will experience uninterrupted location tracking, mapping and reporting—including the ability to determine the location of a vehicle on request. When used with the iLM 3100-W Series hardware, customers can send and receive @Road Forms, Messages and Driver Logs through the Satellite Modem connection.

### Part of a Complete MRM Solution

Together with Field Service Management and Field Asset Management, GeoManager Field Force Management, which supports Satellite Modem, helps make up the complete array of @Road Mobile Resource Management (MRM) solutions.

#### @Road Satellite Modem

- Extends standard @Road wireless data capabilities
- Switches into operation automatically
- Operates only when no cellular connection is available
- Provides cost-effective continuous coverage in remote locations

## @Road Satellite Modem Features

- L-band satellite technology
- Coverage that includes North and Central America, extending up to 250 miles off the coast
- Lightweight
- No moving parts, for maximum reliability

## Product Specifications

### Power

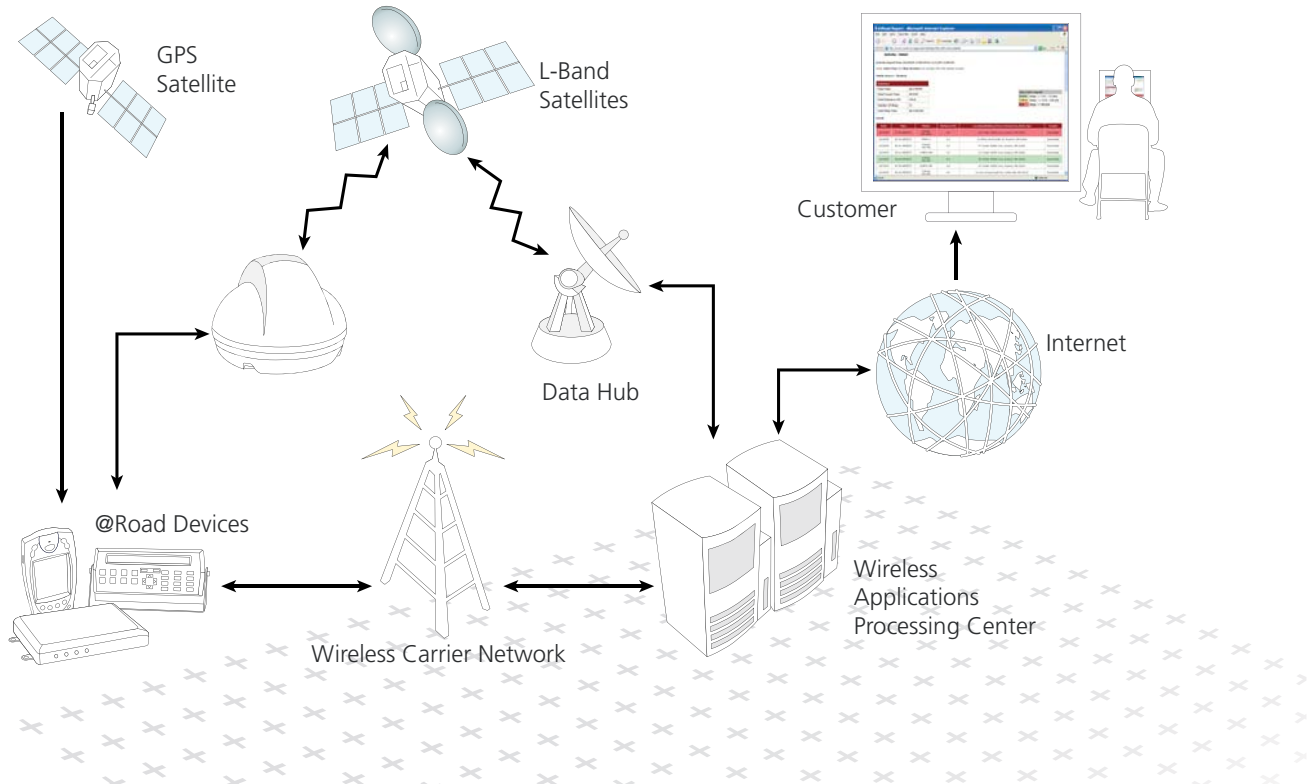
- Input Voltage: 9Vdc-16Vdc, nom per SAE J1455
- Receive Mode: 3W (250mA)
- Transmit Mode: 48W for 0.5s, 10% duty cycle (4A at 12Vdc)

### Physical Characteristics

- Weight: 3 lbs.
- Size: 7.8" diameter x 5.8" high

### Environmental Specifications

- Operating Temperature: -40°F to 122°F (-40°C to +50°C)
- Storage Temperature: -67°F to 185°F (-55°C to +85°C)



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## About @Road

@Road, Inc. is a leading global provider of solutions designed to automate the management of mobile resources and to optimize the service delivery process for customers across a variety of industries. @Road delivers Mobile Resource Management (MRM) solutions in three key areas: Field Force Management, Field Service Management and Field Asset Management.

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