



## Voice/Data Module

### Model RST610



Recreational Communications



Remote Communications



Telemetry Applications

### Voice/Data Module

The Beam Voice/Data Module provides remote environments with voice & Data/SCADA communications access via the Iridium satellite network.

The RST610 presents a DB9 serial data socket to the user in order to provide access to the Iridium data services. The module can also be used with an optional Intelligent Handset for basic voice communications.



### Market Applications

The RST610 is suitable for simple to use remote fixed or mobile communications. The voice/Data Module can be easily deployed into various installations applications across many market segments.

### Modem Emulation

The RST610 emulates the functionality of a Hayes compatible modem. The user operates the connected equipment as though using a normal dial-up data service or modem connection.

### Intelligent Handset Interface

The RST610 supports the use of an optional Intelligent Handset for voice calls as well as utilizing the Iridium SMS service. The handset is compact and includes an inbuilt ringer.

An optional In-vehicle hands-free kit can provides a fully integrated system into any type of vehicle for safe hands-free use.



### Terminal Data Services

The RST610 provides a serial interface for PC connection and two way SMS, giving the user access to the following services.

- Dial-Up Data Service 2.4kbps
- Direct Internet Data 10-12 Kbps
- Short Message Service (SMS)
- Short Burst Data (Selected Providers)

### Terminal Voice Services

The Voice/Data Module supports the following Iridium voice services.

- Post Paid
- Pre-paid
- Crew Calling

### Alert / Tracking Interface



The RST610 is capable of supporting the standalone Beam TrackALERT interface. This will support deployment for tracking, monitoring and emergency alert installations. The TrackALERT interfaces are available with inbuilt or external GPS receivers.

### Power Inputs / Backup Battery

The RST610 terminal is supplied with a universal AC power supply. A readily available country specific cord is required. The unit can also be connected to an 11-32V DC power supply.



The RST610 supports the Beam Battery Backup, RST050. When using the battery Backup with the RST610 this will provide at least 48 hours of standby time and 4 hours of communications time. The terminal is also capable of being Solar Powered.

### Installation

The RST200 can be deployed for various applications. Selecting an appropriate antenna and antenna cable for the installation is very important for optimum performance. Mounting brackets, and international plug pack is included with the terminal.

### RST610 Key Features

- Compact / Light Weight
- Iridium Voice & Data Services
- Tracking & Monitoring Capable
- Supports Intelligent Handsets
- Remote or Local Master Reset
- Low power consumption
- Supports Back up Battery
- Supports Iridium PIN Services
- Optional In-Vehicle Hands-Free Kit

RST610 0105/01





# Specification Voice / Data Module RST610

## RST610 Specifications

Function	Description	Type	Location
Inout Power	11-32V DC Plus	Secure. screw type	Side Panel
Visual Indicators	Power On/Off	LED	Side Panel
	Data RX	LED	Side Panel
	Data TX	LED	Side Panel
Connectors	Antenna	TNC Socket	Transceiver
	Intelligent Handset	RJ45	Side Panel
	Data	DB9 Socket	Side Panel



Vehicle Communications



Back-up Communications



Farming Communications

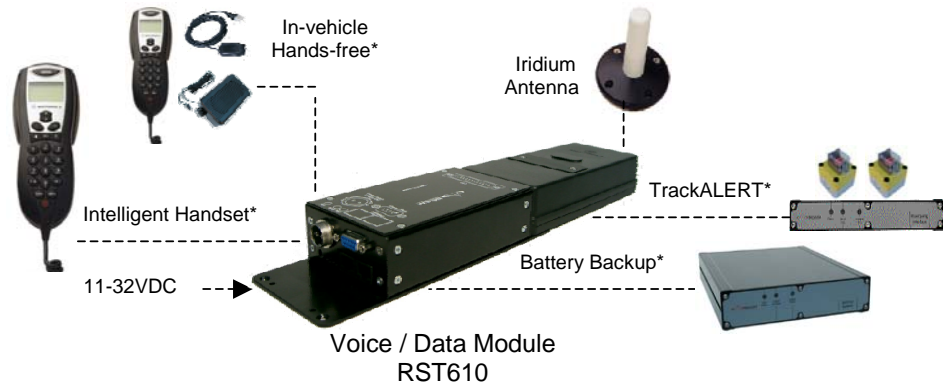


Emergency Communications

Physical	
Size	406mm x 82mm x
Weight	1.0Kg / 1000grams
Shipping Weight inc	1.2kg / 1200grams
Operating Temperature	0C to +50C
Storage Temperature	-30C to +70C
Operating Humidity	85% non-condensing

Power Consumption = Amps		
Voltage	12 Volts	24
Standby	0.12A	0.06A
Transmit	0.33A	0.15A
Standby *	0.25A	0.13A
Transmit *	0.60A	0.18A
* With Intelligent Handset		

### Installation Options



### Optional Accessories

 TrackALERT RST030/RST035	 Mast Antenna RST910	 Bolt Antenna RST920	 In-vehicle Kit RST973
 Battery Backup RST050	 Magnetic Antenna RST915	 3m / 9' Antenna Cable RST931	 Intelligent Handset RST970

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