



Data Module

Model RST600



Data Communications



Monitoring Applications



Telemetry Applications

Data Module

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



The RST600 cable assembly presents a DB9 serial data socket to the user in order to gain access to the Iridium data services.

Market Applications

The RST600 is suitable for compact, reliable fixed or mobile remote data communications. The Data Module can be easily deployed into various installations applications across many market segments.

Modem Emulation

The RST600 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.

Installation

The RST600 can be deployed for various applications. Selecting an appropriate antenna and antenna cable for the installation is very important for optimum performance.

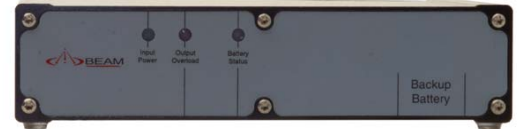
Power Inputs / Backup Battery

The RST600 terminal is supplied with a universal AC power supply. A readily available country specific cord is required. The unit can also be connected via an optional DC converter.

The input voltage of the converter is 11–32VDC–4.4VDC output. (RST994)

Battery Backup

The RST600 when used in conjunction with the RST994 supports the Beam Battery Backup, RST050. This will provide at least 72 hours of standby time and 4 hours of communications time. The terminal is also capable of being Solar Powered.



Terminal Data Services

The RST600 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) Via AT Commands
- Short Burst Data, SBD (Selected Providers)
- Full AT Command Set

Alert / Tracking Interface

The RST600 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.



RST600 Key Features

- Compact / Light Weight
- All Iridium Data Services
- Tracking & Monitoring Capable
- Supports AT Command Set
- Easy Covert Installations
- Lowest power consumption
- Supports Back up Battery
- Supports DC-Dc Converter
- Supports Iridium PIN Services



Specification Voice / Data Module RST600

RST600 Specifications



Performance
Monitoring



Tracking
Applications



Integrated
Communications

Function	Description	Type	Location
Input Power	4.4 DC Plug pack	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

Physical		Power Consumption = Amps		
Size (mm)	L406 x W82 x H45	Voltage	12 Volts	24 Volts
Weight	0.6Kg / 610grams	Standby	0.12A	0.06A
Shipping Weight	1.0kg / 1000grams	Transmit	0.33A	0.15A
Operating Temperature	-20C to +50C	Standby *	0.25A	0.13A
Storage Temperature	-40C to +85C	Transmit *	0.60A	0.18A
Operating Humidity	<85% non-condensing	* With Intelligent Handset		

Installation Options



Optional Accessories



Battery Backup
RST050



TrackALERT
RST030S/RST035S



Optional 11-32VDC
Converter RST994



Various Antenna
Cables



Mast Antenna
RST910



Magnetic Antenna
RST915



Bolt Antenna
RST920