

# 9522B DataMODEM

## RST600



Data



Short Burst  
Data

The Beam RST600 uses the latest Iridium 9522B L-Band transceiver, the RST600 is a stand-alone module that provides access anywhere on earth to all of the Iridium data services.

The RST600 is supplied with a robust mounting bracket for flexible installation into a wide variety of applications, alternatively the transceiver module can be installed without the bracket for a more compact installation.

The terminal is supplied with cable assemblies to support either a standard or compact installation making it very easy to supply power to the terminal as well as accessing the RS232 D9 serial data connection.

### Key Features

- ▶ Compact Installation
- ▶ Various mounting options
- ▶ Cables included in kit
- ▶ In-built 4.0 - 32V DC supply
- ▶ AC 110/240V Plug Pack
- ▶ Full Hayes compatible AT Command set
- ▶ RS232 D9 Serial interface
- ▶ Continuous Circuit Switched Data
- ▶ SBD & SMS
- ▶ Fully Certified
- ▶ Pass through GPS Signal



Loggers



Data  
Applications



Alarm/  
Monitoring  
Systems



Access  
Controllers

## TECHNICAL SPECIFICATIONS

POWER SPECIFICATIONS	
Main Input Voltage Range	+4.0 VDC to +32 VDC
Main Input Voltage	Ripple 40mV peak to peak
Consumption at +5VDC	
Input Standby current (average)	250mA
Max current during call	2.5A
Typical current during call	800mA
Power Average - Voice / Data Call	4W
RF CHARACTERISTICS	
Average power during a transmit slot (max)	<b>7W</b>
Average Power during a frame (typical)	0.6W
Receiver Sensitivity at 50Ω (typical)	-118.5dBm
Receiver Spurious Rejection at offsets > 1 MHz (typical)	60dB
Frequency Range	1616 MHz to 1626.5 MHz
Duplexing Method	TDD (Time Domain Duplex)
Oscillator Stability	± 1.5 ppm
Input/Output Impedance	50Ω
Multiplexing Method	TDMA / FDMA

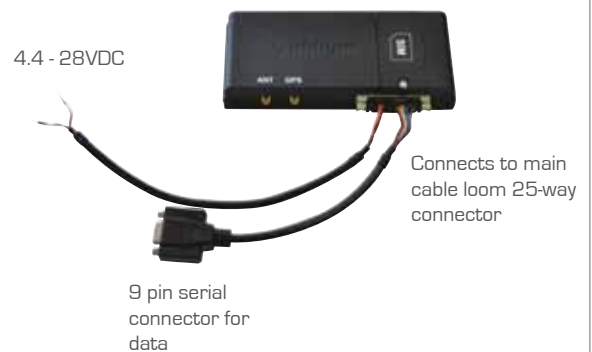
PHYSICAL SPECIFICATIONS	w/o BRACKET	w/BRACKET
Dimensions - mm	162 x 81 x 28	185 x 81 x 30
Dimensions - inches	6.4 x 3.2 x 1.1	7.3 x 3.2 x 1.2
Weight - kg	420g	
Weight - lbs	0.93lbs	
ACCESSORIES		
RST710	Mast Mount Antenna	
RST715	Magnetic Mount Antenna (incl. 5m Cable)	
RST720	Bolt Mount Antenna (incl. 5m Cable)	
RST932	6m Iridium Antenna Cable	
RST933	12m Iridium Antenna Cable	
KIT CONTENTS		
9522B Iridium Transceiver		
Mounting Bracket with mounting holes & D25 Connection		
Data & Power Interface cable assembly to support D25 Connection		
Data & Power Interface cable for use in a compact installation		
DC Power Cable		
User manual in hard copy		
AC Mains/ 12VDC Plug Pack		
Beam Starter CD including AT command set		

## INSTALLATION OVERVIEW

### Standard Installation using base-plate



### Compact Installation



APPROVED BEAM RESELLER



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