

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)	7W
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

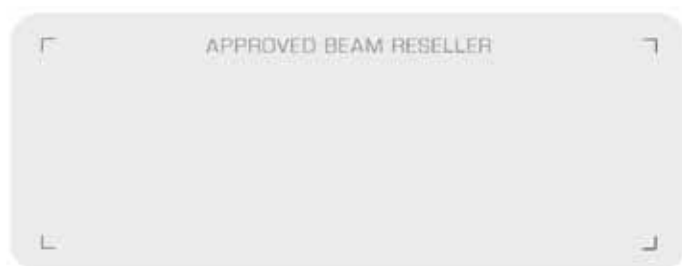
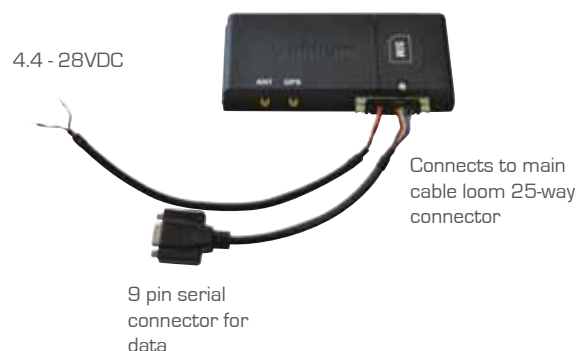
PHYSICAL SPECIFICATIONS		w/o BRACKET	w/BRACKET
Dimensions - mm		162 x 81 x 28	185 x 81 x 30
Dimensions - inches		6.4 x 3.2 x 1.1	7.3 x 3.2 x 1.2
Weight - kg		420g	
Weight - lbs		0.93lbs	
ACCESSORIES			
RST710	Mast Mount Antenna		
RST715	Magnetic Mount Antenna (incl. 5m Cable)		
RST720	Bolt Mount Antenna (incl. 5m Cable)		
RST932	6m Iridium Antenna Cable		
RST933	12m Iridium AntennaCable		
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



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