

9602N SBD Modem

The Beam Iridium 9602N Short Burst Data (SBD) Modem is a robust data terminal specifically designed to incorporate the Iridium 9602N SBD transceiver module. With an in-built 9-32V DC power supply, it provides easy integration to an existing system via USB or Serial connectivity contained within a robust enclosure.

9602N SBD Modem SBD9602N



The terminal connector supports power input, USB & serial data to be used on the modem. The robust enclosure enables the terminal to be used in a wide range of applications.

The Kit comes complete with:

- 9602N SBD Modem
- Power & Serial Data Cable
- 2m USB Cable
- TNC-F to SMA-M coaxial adaptor

KEY FEATURES

- Compact robust form factor
- Pole-to-pole global coverage
- 9-32V DC input
- Short Burst Data capable
- Inbuilt Iridium 9602 SBD Module
- USB Data port
- Serial RS232 Data Port
- Simple AT command set
- Automatic message queue notification
- Simple Installation
- Signal LED
- Fully certified
- 12 month repair or replacement warranty



sbd



usb



serial

APPLICATIONS



REMOTE



TRANSPORT



EQUIPMENT MONITORING

Technical Specifications

PHYSICAL		
Dimensions	mm	inches
Modem	90W x 59L x 25H	3.54W x 2.32L x 0.98H
Outer Box	145W x 150L x 55H	5.71W x 5.91L x 2.16H
Weight	kgs	lbs
Modem	0.25	0.55
Box	0.576	1.27

RF CHARACTERISTICS	
Multiplexing Method	TDMA/FDMA
Input/Output Impedance	50 Ohms - SMA F Connector
Oscillator Stability	±1.5ppm
Frequency Range	1616MHz to 1626.5MHz
Receiver Spurious Rejection at offsets > 1 MHz (typical)	60 dB
Standby Power	0.225W
Average Power	0.95 W (During message transfer)
Receiver Sensitivity	-117 dBm at 50 Ohms (typical)
Peak Power	7.5W (max)

ELECTRICAL	
Plug-pack (if provided)	100-240VAC 50/60Hz input
Power	9 - 32 VDC, 1A

ENVIRONMENTAL		
Operating Humidity Range	<75% RH	
Temperature	Degrees °C	Degrees °F
Operate Temp. Range	-40° to +85° ambient	-40° to +185°
Storage Temperature	-40° to +85°	-40° to +185°

POWER CONSUMPTION	
EMC Compliance	CE
Speed	2400 bps
Modem Type	SBD Data only
Transmit Mode Peak	125mA (1.5W at 12V in)
Idle Average (measured over 5 min with one full message Tx/Rx every minute)	30mA (0.36W at 12V in)

KIT CONTENTS	
9602N SBD Modem	
Coaxial Adaptor	
DC External Cable	
Power & IO Cable	
Mounting L Bracket with screws	
Resources CD (includes User Manual)	
Quick Start Guide	

Physical Specifications

