Iridium Short Burst Data Transceiver

ISBD-1 / ISBD-1-B /ISBD-1-O / ISBD-1-N

SPECIFICATIONS
Specifications subject to change without notice

MECHANICAL	
RS232 Connector	DB9 M (DCE) & 2x5 Shrouded, 0.1 inch spacing
Antenna Connector	SMA Female
Power Connector	pin 9 of RS232 or 2 pin molex
Enclosure	optional
ELECTRICAL	
Input Voltage	8v-20VDC @0.6amp max
Power Consumption	@12v
	Peak During Tx – 170mAAvg Idle - 29 mA (Connected to Network) During Tx - 130 mA Standby - 1mA
Status LED	Red - Standby Green - Connected to Network Yellow - Connecting
IRIDIUM TRANSCEIVER	
Frequency	1618 to 1626.5MHz
SBD Mobile Originated	340 bytes max
SBD Mobile Terminated	270 bytes max
ENVIRONMENTAL	
Operating Temp	-40 to +60°C
Operating Humidity	<75% RH

DIMENSIONS

	Device	Shipping
Height	6 in. (15.3 cm.)	14 in. (35.6 cm.)
Length	3 in. (7.7 cm.)	10 in. (25.4 cm.)
Width	1 in. (2.6 cm.)	6 in. (15.3 cm.)
Weight	.55 lbs. (.25 Kg)	2 lbs. (0.9 Kg)

ORDERING

ISBD-1-O	Iridium SBD Modem with Non-Nema Enclosure

ACCESSORIES

6411-1382-24	Serial Jumper Cable (DB9-Male to 2x5 Header)
1292-1031-T-G	Iridium Helix Antenna, TNC, Green
1291-1031-T-W	Iridium Helix Antenna, TNC, White
1291-1032-T-W	Iridium Motorola Antenna, TNC, White
LL400-15-S-T	Low Loss Modem Cable, LL400, 15 ft, SMA-TNC
LL400-15-N-T	Low-Loss Antenna Cable, LL400, 15 ft, N-TNC
LL400-20-S-T	Los Loss Modem Cable, LL400, 20 ft, SMA-TNC
LL400-20-N-T	Low Loss Antenna Cable, LL400, 20 ft, N-TNC

Overview

The Iridium® Short Burst Data Transceiver provides 2-way communications with remote stations anywhere in the world. Whether in the middle of the ocean or the top of a remote mountain, the ISBD-1 delivers your data - how and when you want it. Iridium® SBD is ideal for sending small amounts of data to & from stations. Typical SBD messages range from 10 to 200 bytes. Longer messages are split into shorter parts to send.

Features

- Very affordable with a low cost per byte
- 2-way communications to collect data & make station changes remotely
- Compact size – fits in tight spaces
- Small antennas that are easy to conceal
- Pole-to-pole global coverage. Operates virtually anywhere.
- SBD (Short Burst Data) communications protocol
- Fully integrated with several Sutron loggers including 8310 & Xpert families. Integration provides transmission schedule control & data formatting, diagnostics for test transmissions & receiving messages.
- Simple to configure and use.
- Data delivered via e-mail or direct IP
- Low Cost Worldwide Coverage. Each Transceiver provides data to up to 5 destinations. This allows central collection of station data anywhere in the world up to 5 delivery points per station.
- Low-cost Sutron data service plans
- Enhanced Data Delivery - Let Sutron receive, decode & host your data. SutronWIN Data Management handles all the work necessary to receive, process, store, display & distribute your data. Sutron offers SBD services both with and without SutronWIN support.