

# Iridium Short Burst Data Transceiver



<b>SPECIFICATIONS</b>		
<i>Specifications subject to change without notice</i>		
<b>MECHANICAL</b>		
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	
<b>ELECTRICAL</b>		
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	
<b>IRIDIUM TRANSCEIVER</b>		
Frequency	1618 to 1626.5MHz	
SBD Mobile Originated	340 bytes max	
SBD Mobile Terminated	270 bytes max	
<b>ENVIRONMENTAL</b>		
Operating Temp	-40 to +60°C	
Operating Humidity	<75% RH	
<b>DIMENSIONS</b>		
	<b>Device</b>	<b>Shipping</b>
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)
<b>ORDERING</b>		
ISBD-1-O	Iridium SBD Modem with Non-Nema Enclosure	
<b>ACCESSORIES</b>		
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
- ▶ 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.



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