

Iridium SBD

Global 2-way Short Burst Data



Iridium Short Burst Data (SBD) uses the truly global Iridium satellite network to provide 2-way store and forward data services for remote tracking, alarm and sensor monitoring, telemetry and environmental monitoring. Iridium's low earth orbit satellite network enables SBD devices to be used in mobile applications with small omni-directional antennas that require no pointing for tracking and telemetry on the go – anywhere on earth.

SBD – features:



Global coverage



Suits mobile applications



Two-way data



Low power consumption

Use SBD for:



Tracking & monitoring



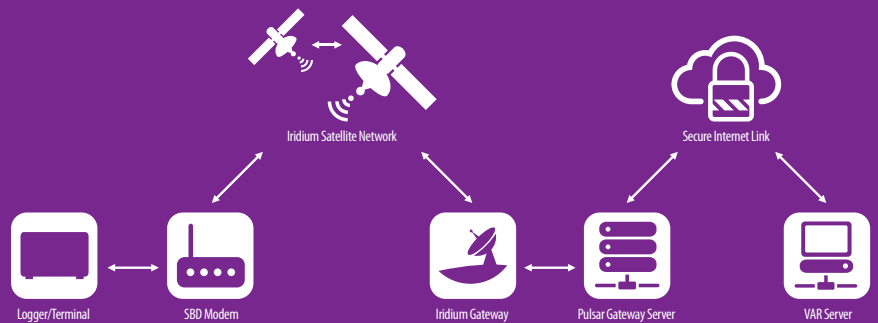
Telemetry



Occupational health & safety

How it works:

Iridium uses the cross-linked architecture of its global constellation of Low Earth Orbit (LEO) communication satellites to provide the only truly global mobile satellite service.



Pulsar® is a global, cloud based satellite M2M platform that has been empowering satellite M2M application providers since 2006. With a network and device agnostic two-way messaging API, supported by a high availability network and server architecture, Pulsar® is the only choice to support your satellite M2M enabled end user application. Add the Pulsar® online portal for 24x7 device activation, message management and reporting and you have the complete satellite M2M partner for whatever remote connectivity solution your application requires.

Pulsar® enabled Iridium SBD – supported hardware examples:

Iridium 9602 SBD Transceiver Module

Designed for integration into wireless data application host system hardware to be used in tracking, telemetry and monitoring applications.



Iridium 9603 Miniature SBD Transceiver Module

The smallest commercial satellite transceiver available, ideal for space constrained remote tracking and telemetry applications.



Quake Q9612 SBD Transceiver Module

The only Iridium SBD module that can natively withstand 12 volt automotive transients to simplify the addition of an Iridium connection for automotive solutions.



Quake Q-Puck SBD Module/Antenna

Combined Iridium SBD Module/ Antenna in a single outdoor package with single serial/power cable. Q-Puck is an ideal out-of-the box global satellite solution to extend an existing cellular tracking product.



inReach SE 2-way Satellite Communicator

Handheld OH&S device that uses Iridium SBD for 2-way messaging, SOS and tracking for remote workers.



Technical Specifications

Iridium 9602 SBD Transceiver Module

Dimensions	41 mm H x 45 mm W x 13 mm D
Weight	30 g
Operating Temperature	-40°C to + 85°C
Storage Temperature	-40°C to + 85°C
DC Power Input	+4.5 VDC to +5.5 VDC
Transmit Current	Average 190mA Peak 1.5A
Receive Current	Average 45mA Peak 195mA
Idle Current	Average 45mA Peak 195mA



Iridium 9603 Miniature SBD Transceiver Module

Dimensions	31.5 mm H x 29.6 mm W x 8.1 mm D
Weight	11.4 g
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
DC Power Input	5.0V +/- .2V DC
Transmit Current	Average 190mA Peak 1.5A
Receive Current	Average 45mA Peak 195mA
Idle Current	Average 45mA Peak 195mA



Quake Q9612 SBD Transceiver Module with RS-232C Connector

Dimensions	109 mm H x 64 mm W x 19 mm D
Weight	159 g
Operating Temperature	-40C to + 70C
Storage Temperature	-50C to + 85C
DC Power Input	9-18 VDC
Transmit Current	550 - 850mA (Nominal)
Standby Current	80mA
Sleep Current	30uA
Data Interface	RS-232C



Quake Q-Puck SBD Module with Antenna

Dimensions	124.3 mm H x 80.3 mm W x 31 mm D
Weight	580 g (with 5.33m cable)
Operating Temperature	-40C to + 85C
Storage Temperature	-50C to + 85C
DC Power Input	8-32 VDC
Transmit Current	1A Max
Standby Current	65mA
Data Interface	RS-232C



inReach SE 2-way Satellite Communicator

Dimensions	149 mm H x 62 mm W x 26 mm D
Weight	190 g with internal lithium polymer battery
Operating Temperature	-20° to +60°C
Storage Temperature	-40° to +85°C
Line Power	Micro USB 5V
Battery Type/Life	Internal Lithium Polymer 100 hours with internal lithium polymer battery (Sending one track point every 10 minutes)
Standards	SAE J1455 MIL STD 810F IPX7
Message Support	SOS/Tracking/2-way SMS & Email/Sharing via Twitter & Facebook

