

MAXTENA



Iridium Short Burst Data



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Iridium Short Burst Data (SBD) Service is an efficient network protocol designed for shorter sized data messages than can be economically sent to and from anywhere on the globe using the Iridium Satellite Network.

Using the proprietary Iridium network protocol it is possible to send both Mobile Originated (MO) and Mobile Terminated (MT) messages from and to your fielded devices.

Due to the nature of the Iridium system architecture, SBD operates uniformly at all latitudes and longitudes and is not affected directly by precipitation. SBD data packets are moved along the network from satellite to satellite by the shortest possible route, allowing for a global network transmit latency as low as 5 seconds for small messages, averaging 10 seconds for any location from the equator to the poles.

Iridium is the only truly global, 24/7, two-way satellite network and SBD functions exactly the same anywhere on the network, regardless of location.

For small packets of data, SBD is among the most reliable, efficient, and economical means of communications for IoT applications across the globe:

- Flight following for aircraft and helicopters
- Tracking and messaging for maritime vessels
- Monitoring of equipment on oil and gas pipelines
- Monitoring of equipment of water, gas and electric utility distribution networks
- "Loan Worker" monitoring and tracking
- "Blue Force" tracking in remote environments
- Tracking of mobile land-based assets:
 - o Containers
 - o Trucks
 - o Trains
 - o Heavy/High Value Equipment

The Sales Team at Maxtena are happy to consult and advise on any given application



Iridium Short Burst Data Service delivers the information you need for asset tracking and monitoring – anywhere on the planet.

No roaming, no 'regions' or locations where your solution needs to change networks

Small, lightweight, low-power transceivers, excellent for drones or battery/power sensitive applications

Maxtena can help with transceivers, antennas, cables, airtime and our staff with more than 30 years of SATCOM experience

Maxtena SBD Iridium Solutions

Maxtena is your complete provider of Iridium Antennas, Transceivers, Modem Solutions, Cables, and Data Services for Short Burst Data service.

Our line of Iridium Antennas are fully Iridium network certified and designed for land, air, and sea M2M/IOT applications.

Maxtena can provide you and your team with Truly Global SBD Solutions for your remote Data and IoT applications.



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Iridium 9603 transceiver

One-fourth the volume and half the footprint of the Iridium 9602, and the smallest form factor of any commercial satellite transceiver available today. The Iridium 9603 is ideal for space-constrained applications including monitoring, tracking and alarm systems.

Smallest form factor of any
commercial available satellite transceiver
Only 11.4 grams!
Single board transceiver
Simple AT Command interface
No SIM required
Certified for use on the Iridium Network



MAX9603 - Iridium 9603 based SBD controller with GPS



- Controller for Iridium® 9603N SBD transceiver
- 48 channel SiRFstarV™ chipset based GPS
- Serial interface for 3rd party equipment or PC control
- Two 12 bit Analog to Digital (ADC) inputs
- Two Digital I/O's (configurable as panic input)
- Ultra-low standby power consumption (< 100 μ A)
- OEM and standalone versions available
- Extremely small solution size (2 x 1.4 x 0.75 ")
- Certified for use on the Iridium Network

*Don't forget your antenna, like out MEA-1600-EXP
(Part #: 189-00026-01) combinations GNSS and Iridium
Adhesive Mount Antenna*



Iridium 9602 transceiver

Designed to be integrated into a wireless data application with other host system hardware and software – The Iridium 9602 transceiver is a robust Iridium transceiver ideal for IoT solutions, including tracking of maritime vessels, equipment monitoring, and automatic vehicle location where physical conditions might be less than ideal.

Single board transceiver
Small form factor with robust design

No SIM required

Designed to be incorporated in an OEM Solution

GPS RF Pass-through technology

Simple AT command interface

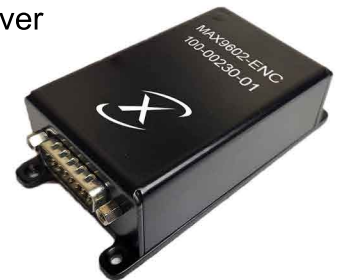
Certified for use on the Iridium Network



MAX9602 - Iridium 9602 based SBD controller with GPS



- Full RS232 interface to Iridium 9602N transceiver
- Wide supply voltage range (4.5- 32 VDC)
- Compact solution size (3.9L x 2W x 1.2H inch)
- LED indication of power and network status
- OEM and standalone versions available
- Convenient DB15 interface
- Certified for use on the Iridium Network



The M1621HCT-EXT (Part #: 100-00044-02) Iridium antenna uses Maxtena HeliCore® technology to provide exceptional pattern control, polarization purity and high efficiency in a very compact form factor.



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Iridium EDGE



- Connectivity beyond cellular limits for 100% global IOT coverage
- Hardware-ready device for simple, low risk integration
- Ready to install for quick time-to-market
- Robust power supply for industrial installations
- 180° line of site for compromised locations

Iridium EDGE Pro



- Quick partner (VAR) development using Java
- Common services including Geofencing, event logging, and position reporting
- Easily paired with cellular solutions using programmable interfaces
- Standalone finished product for GPS tracking
- Programming over the air
- Low-cost development kits available
- Eclipse based IDE and Virtual Device emulators

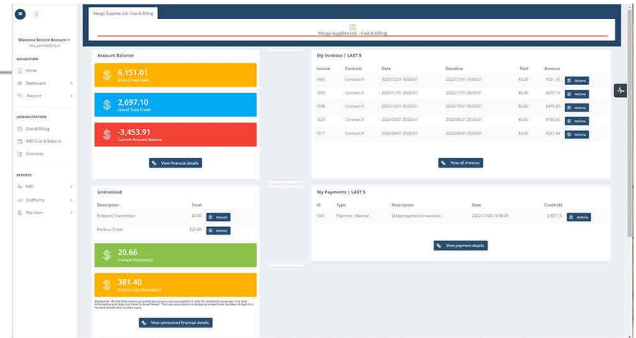
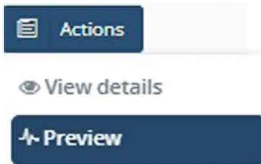


Iridium EDGE Solar



- Bluetooth capability for wireless sensor integration and local device connectivity
- Over-the-Air Configuration Changes
- Interval and Scheduled Reporting Modes
- Start/Stop Reporting/In Motion Reporting
- Fully Encapsulated, No External Connectors, Water Ingress Protected
- Accelerometer and Magnetometer
- LED Status Indicator
- Self charging solar panel for low maintenance and incredibly long field life

MaxWay - You are in charge of your airtime!



Performance **100%**

IMEI list **SBD Transfers**

Show **10** IMEI Select IMEI Date start Select a date... Date End Select a date...

Result **10**

SBD Transfer

SBD from 6928 **From delivered 4490** **SBD To 39** **To delivered 39**

ID	IMEI	(FROM) Delivered	(FROM) Pending	(FROM) NotDelivered	(FROM) TOTAL	(FROM) TotalPayload	(FROM) Last	(TO) Delivered	(TO) Pending	(TO) NotDelivered	(TO) TOTAL	(TO) TotalPayload	(TO) Last
12093	30253408	3886	0	1342	4024	47391	2023/12/22 21:01:08	17	0	0	17	81	2023/12/22 14:46:15
11899	30253408	211	0	0	211	2193	2023/12/22 21:05:03	5	0	0	5	25	2023/12/15 22:12:23
11905	30253408	212	0	0	212	2274	2023/12/22 21:05:14	6	0	0	6	31	2023/12/15 22:13:12
11898	30253408	194	0	0	194	2025	2023/12/22 21:05:07	5	0	0	5	26	2023/12/15 22:11:23
11904	30253408	182	0	0	182	1914	2023/12/22 20:55:40	6	0	0	6	31	2023/12/15 22:15:54



- MaxWay is a MS Azure Cloud platform available as a secure GUI or Application Programming Interface Web Service
- MaxWay provides user defined access to Iridium Short Burst Data for Provisioning, Data Management, and Billing
- MaxWay is our custom, in-house designed and built airtime platform
- Activate, Suspend and Deactivate SBD devices
- Create limitless, user defined, data delivery destinations (End Points) using email, SMS, Direct IP, WebSocket and HTTPPOST
- API access, allowing you to automate various features such as production acceptance testing, customer provisioning, End Points, etc.



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