

## MiChroburst

A rugged, ready-to-use Short Burst Data Platform, MiChroBurst is a complete, development-ready package based on the Iridium 9602 modem.



### Overview

Wireless Innovations' MiChroBurst satellite transceiver provides a ready-for-use Iridium 9602 modem. Packaged to an IP 44 rating, MiChroBurst combines the global coverage of the Iridium Satellite Network with the low latency of the Iridium Short Burst Data (SBD) service.

MiChroBurst is a ready-to-use IP 44 rated transceiver that offers developers a swift, risk free means of creating and testing the interoperation of the Iridium 9602 SBD service with external devices, without the requirement to physically embed a modem first. MiChroBurst is a comprehensive, ready-to-use bundle that enables customers to get to market fast with applications such as tracking, alarms and monitoring over Iridium SBD.

#### Development-ready package

The Iridium 9602 SBD modem is an OEM product designed to be embedded into external devices.

MiChroBurst provides developers with a swift, risk free means of creating and testing the interoperation of the SBD Service with external devices, without the requirement to physically embed a modem first

#### Direct Internet connection

The embedded Iridium 9602 module has full power conditioning, and can be installed directly onto a 12V/24V dc power supply. Data connectivity is provided via an RS-232 9-PIN D-type serial interface port. The modem is programmable through an AT Command Set Interface. A full developers guide and technical support is also included as part of the package.

MiChroBurst provides a complete, development-ready package that enables developers to get to market fast with applications such as tracking, alarms and monitoring over SBD.

### Details

Manufacturer:	• Wireless Innovation
Network:	• Iridium
Device Type:	• Modem
Markets:	• SCADA / Telemetry • Utility • Military • Marine • Renewable

## About Iridium (SBD) Short Burst Data Service

Iridium Short Burst Data (SBD) Service is an efficient network protocol designed for shorter sized data messages than can be economically sent via Iridium Circuit Switched Data Services.

SBD uses a proprietary network protocol to transfer data messages to and from the remote terminal. Iridium SBD Service is designed to serve a range of applications that need to send data messages that on average are typically less than 300 bytes. SBD when combined with Wireless Innovation optional back office services (MultiBurst), allows data to be delivered via direct IP, E-Mail, SMS or FTP.



## Technical Specs

### Specifications:

Power:	12/24V dc 650mA
Fusing:	Internal 1.5A Slow Blow
Data Interface:	9 Way D-Type RS-232
RF Interface:	SMA Male
Dimensions:	(H) 35mm x (W) 110mm x (L) 85mm
IP Rating:	IP 44

### What's in the box?

- MiChroBurst IP 44 rated platform
- Magnetic Patch Antenna
- 2m Antenna Cable
- 2m Power Cable
- Manual
- Developers Guide