



## IRIDIUM9522B

Satellite Modem and Interface Kit



# Iridium Satellite Communications

A complete package

## Overview

The IRIDIUM9522B is a packaged solution for adding globally available two-way Iridium satellite communications to a remote station. Using the Iridium network to provide reliable end-to-end serial connectivity, the IRIDIUM9522B package makes it easy to connect to a remote station with Campbell Scientific's LoggerNet software.

The IRIDIUM9522B package includes all the hardware needed to get started. It consists of the [Iridium 9522B modem \(pn 30693\)](#) with mounting hardware, a [COM9522B modem](#)

[interface](#), the cabling needed for configuration and connection to a data logger, and an antenna with a mount. To connect the antenna to the 9522B modem, select a [18017-L coaxial antenna cable](#). An optional surge protection kit can be ordered with a Type N to TNC antenna cable.

Typically one Iridium 9522B is placed at the LoggerNet computer and at each of the remote data logging sites.

## Benefits and Features

- › Global coverage for data communication with any station that has a view of the sky
- › On demand, two-way communication with your station
- › No antenna pointing required—omnidirectional antenna
- › Supports dial-up, RUDICS, and SBD communications
- › COM9522B makes it easy to interface the Iridium transceiver to a data logger serial port and to control the transceiver's power

## Detailed Description

The Iridium satellite network consists of 66 satellites sitting in six planes. The planes are evenly spaced flying in polar orbits at low altitudes. This configuration provides global data coverage that supports communication with a station located anywhere

on earth, as long as it has a clear view of the sky. The Iridium satellite system is ideal for stations at very high-angle latitudes (greater than 70° North or South), high-altitude applications, and mobile applications, such as buoys or ships.

## Specifications

-NOTE-

The IRIDIUM9522B is a kit containing several components that have their own specifications.

To review these specifications, refer to the appropriate products below:

- › Modem interface [COM9522B](#)
- › Satellite modem/transceiver [30693](#) (model 9522B)
- › Antenna [30741](#)
- › Mount [30626](#)

Transmission Distance or Area	Worldwide (including poles, oceans, and airways)
Service Requirements	Needs a SIM card. Must select a service provider and pay a fee.
Weight	1.7 kg (3.75 lb)

### System (30693 and COM 9522B)

Operating Voltage	4 to 32 Vdc
Current Drain at 12 Vdc	<ul style="list-style-type: none"><li>› 20 µA (off state)</li><li>› 125 mA (standby)</li><li>› 333 mA (operating)</li><li>› 500 mA (transmission)</li></ul>

For comprehensive details, visit: [www.campbellsci.com/iridium9522b](http://www.campbellsci.com/iridium9522b) 



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