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WHEN MEASUREMENTS MATTER

COM9522B
Iridium Satellite Modem Interface

Ideal for Remote Sites

Low power use, wide operating temperature range

Overview

The COM9522B interface provides a convenient way to connect an Iridium 9522B satellite transceiver to a computer or data logger and to a power supply. When the COM9522B interface and Iridium 9522B satellite transceiver are combined,

a data logger is easily accessible over the global Iridium satellite network.

The COM9522B may be ordered individually or preferably as part of the IRIDIUM9522B Satellite Modem and Interface Kit.

Benefits and Features

❯ Rugged enough for harsh environments

❯ Low power - suitable for remote applications

❯ Easiest and most reliable way to connect an Iridium 9522B to a data logger or computer

Detailed Description

The COM9522B has an RS-232 port, power and control terminals, and a 26-pin connector. The COM9522B connects to the data logger's RS-232, COM, or CS I/O port.

❯ An RS-232 connection to a data logger 9-pin serial port requires the 18663 null modem cable.

❯ An RS-232 connection to a data logger RS-232/CPI RJ45 port (as found on the CR6) requires the 31055 data cable.

❯ A COM port connection requires the 17855 serial cable DB9 male to pigtail cable.

❯ A CS I/O port connection requires the SC105 interface (preferred) or the SC932A interface.

LEDs on the COM9522B indicate the following:

❯ Power On

❯ Network Service

❯ Modem Output

❯ Modem Input

For comprehensive details, visit: **www.campbellsci.com/com9522b**

Specifications

Operating Voltage	9 to 18 Vdc, 12 Vdc nominal
Current Drain at 12 Vdc	› 20 µA (quiescent, off state) › 32 mA (active, on state max)
Maximum Supply Current	2500 mA
Control Input Voltage	› < 1.25 Vdc (guaranteed off) › > 3.24 Vdc (guaranteed on) › 18 Vdc (maximum voltage)
Communication Rate	19200 bps (between data logger and COM9522B)
Operation	Full-duplex

Operating Temperature Range	-40° to +70°C
LEDs	Power switched to Iridium Modem, TX and RX, Network Service
Compliance	CE Compliant
Length	› 20.1 cm (7.9 in.) with mounting bracket › 17.0 cm (6.7 in.) without mounting bracket
Width	3.8 cm (1.5 in.)
Weight	~476 g (17 oz)

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