

Satellite Modem Iridium 9522b, MiChroSat OEM

Order-No: P 8129.2

- RS-232 Serial Interface
- AT Command Set for command, control and configuration of the modem
- SMA Antenna connections
- Remote control Modem power
- Integral SIM Card reader
- GPS pass through SMA connector



Description

The MiChroSat OEM modem provides data connectivity through asynchronous data or direct internet connections. Connections supported are Modem to Modem, Modem to PSTN, PSTN to Modem and Modem to Internet. The unit is an Iridium compliant communications device designed for wireless data solutions.

Asynchronous Data

When providing async data services, the modem can be interfaced directly into existing applications currently using PSTN or Cellular modems. The modem provides full duplex connectivity at a data rate of 2400bps. The modem supports both modem to PSTN/Cellular and modem to modem connectivity.

Modem to Modem

The modem also provides direct modem to modem connectivity, allowing a modem to call directly to another modem, this method provides the most secure, efficient and cost effective means of communicating across the network.

Direct Internet Connection

The modem can be configured to provide a direct connection to the internet at 2400bps with the need to dial using an existing ISP via PSTN. To access the internet the modem dials a specific access number. Once the terminal is connected it allows the full suite of IP Protocols to be used including WWW, FTP, SMTP, POP3 and Telnet. Direct internet connectivity allows customer applications to update web pages for tracking / logging applications, or to update servers via email, or file transfers directly to the indirect.

Standards Compliance

The modem has been designed to comply with the standards for Emissions Compliance, 47 CFR Part 25 as FCC ID: IHDT6NJ1 and also complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. Any changes or modifications, including the use of a non-standard antenna, not expressly approved by the party responsible for compliance can void the users authority to operate the equipment.

- Capabilities:**
- Voice Service
 - Circuit Switched Data Service
 - SBD Service
 - SMS
 - Low Uniform Global Latency
 - Global Coverage

Specification Satellite Modem Iridium 9522b: P 8129.2

Frequency Range	1616 MHz to 1626MHz
Duplexing Method	TDD
Oscillator Stability	± 1.5 ppm
Input / Output Impedance	50 Ohms
Multiplexing Method	TDMA / FDMA
Main Input Voltage	Range + 4 V dc to +32 V dc Nominal +5 V, + 12 V, + 24 V dc Ripple 40 mV pp
Max. Current	2.5A @ 5V dc (during call)
Power Average	4 W (during call)
Temperature Range	-30° - 70°C
Humidity Range	25 to 75 % relative humidity
Storage Temperature Range	-40 - *85°C
Storage Humidity Range	< 93 % relative humidity
Length	162mm (6.38 inches)
Width	81 mm (3.16 inches)
Depth	28 mm (1.10 inches)
Weight	approx. 420 g (0.93 Pounds)
Manufacturer	Wireless Innovation Ltd.