

# JANUS

 REMOTE  
C O M M U N I C A T I O N S

## CF Plug-In Series CDMA910CF Embedded 2G Cellular Modem

### Description

The Janus line of Common Footprint (CF) Plug-In modems are footprint compatible, GPS enabled, plug-in terminals for use in GSM/GPRS, EDGE, CDMA, EV-DO, HSPA+, LTE communication networks, and also Wi-Fi connectivity. They were specifically designed to provide customers with cost effective products that are easily integrated into new and existing designs, require limited customer certification resources, and are completely interchangeable to allow for maximum network flexibility while removing the worry of product obsolescence.

The CDMA910CF Plug-In modem incorporates Telit's CE910 dual-band 1xRTT module as its cellular heart. It is pin compatible with the full line of Janus Plug-In Terminal products.

The CF CDMA910CF is the second 1xRTT communication modem of the Plug-In series. It incorporates newer functionality and better performance while sacrificing GPS.

### CDMA910CF Features

- 1xRTT 153.6 kbps D/U
- Dual Band CDMA 1xRTT 800/1900Mhz
- TCP/IP stack, SMTP (client), and FTP (client) access via AT commands
- SMS (MO / MT)
- Output power: 24.5 dBm
- Dimensions: 2.5" x 1.4" x 0.325"
- Through hole for screw mount
- Operational temperature range: -40°C to 85°C
- Internal Switching Regulator:
  - Input Voltage Range: 4.75 to 5.25Vdc (5Vdc nominal)
  - Supply disable via terminal input pin
- Cellular connection available via Murata GSC miniature RF connector



### Applications

Suitable for all M2M Applications

- Security Systems
- Telemetry
- Telematics & Telecontrol
- Remote Monitoring Systems
- Remote Meter Reading
- Vending Machines

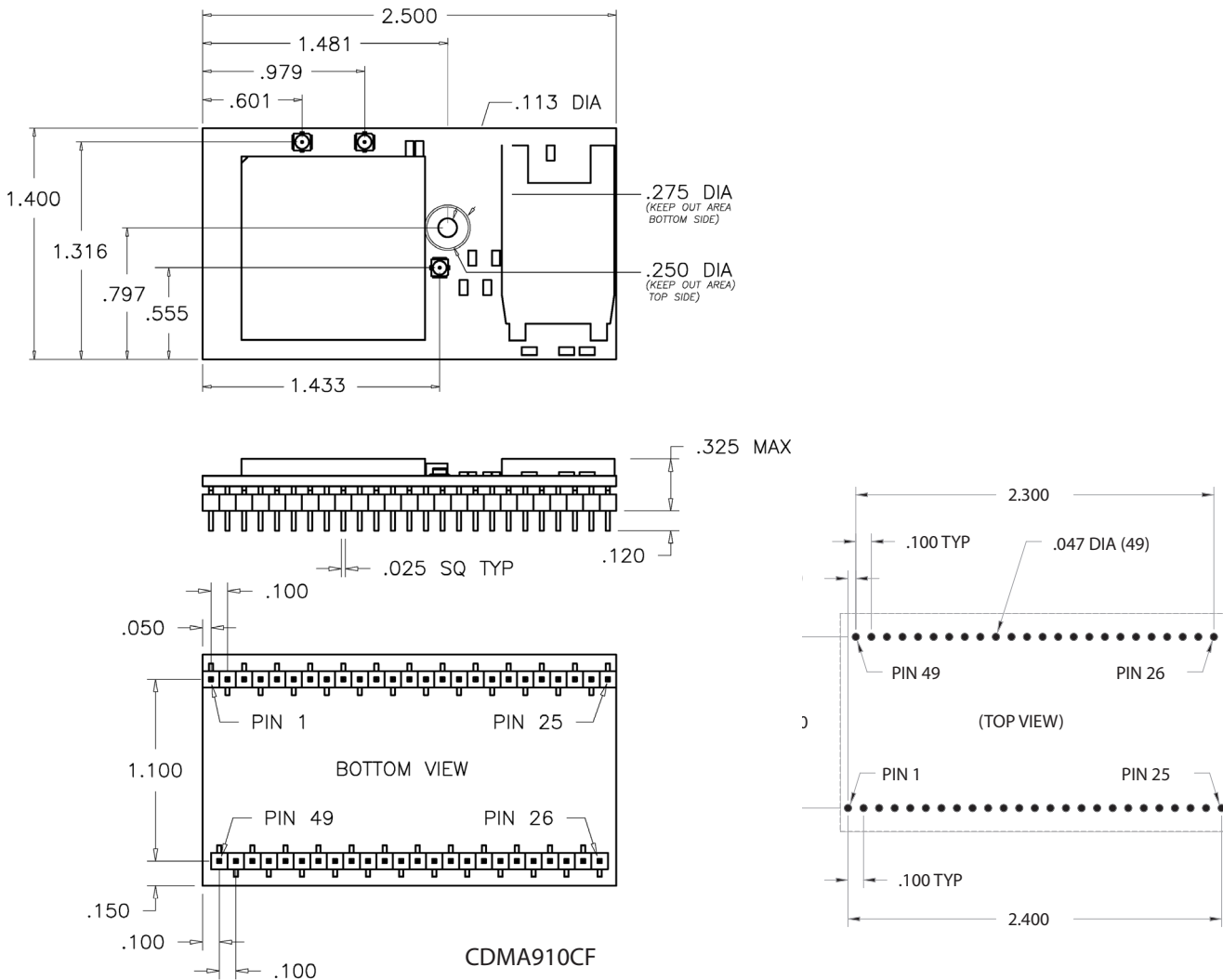
2359 Diehl Road  
Aurora, IL 60502  
**630.499.2121**  
info@janus-rc.com  
www.janus-rc.com

Bulletin **JA03-PB\_CDMA**  
Revision **01**  
Date **12 April 2017**



Making machines talk.

## CDMA910CF CF Plug-In Mechanical Drawings



### Ordering Information

<b>CDMA910CF</b>	<b>V200</b>	<b>T</b>	<b>A</b>	<b>G</b>	<b>F</b>	<b>N</b>
<b>Cellular Terminal</b> CDMA CDMA910CF	<b>Carrier Certified &amp; Version</b> CDMA V200 = Sprint V300 = Verizon V400 = Aeris	<b>Modem Provider</b> T = Telit	<b>Firmware</b> A = Standard	<b>Connector</b> G for GSC U for U.FL	<b>Voltage</b> F = Fixed V = Variable <i>Note 1</i>	<b>Config Options</b> N = No Config P = Positioning A = Activation S = SIM <i>Note 2</i>

Example: Part Number – CDMA910CFV200TAGFN = CDMA Cellular Plug-In Terminal; Sprint Certified; Telit Modem; Standard Firmware with a GSC Connector with a Fixed Voltage with no configuration options.

**Notes:**

1. The original Plug-In products have a fixed interface voltage of 2.85 V. The UART, TRACE, PWRMON, and GPIO pins 3-7 operate at an I/O interface level of 2.85 V. The DC bias on the GPS antenna is 2.85 V, and Vaux (pin 48) provides a 2.85 V source of up to 100mA when the cellular radio is enabled, e.g. when PWRMON is high. The new version allows the option of a variable (user specified) interface voltage. The former USB\_ID pin 30 is now designated as VL\_IN and serves as a reference to set the interface voltage. If this pin is left unconnected, the modules will behave the same as the original version and maintain the 2.85 V levels on the affected signals. If the user applies a voltage level to the VL\_IN pin between 1.8 V and 5.0 V, then the affected signals will operate at that VL\_IN voltage level. If an original 910CF board is used in a circuit design that supports the new VL\_IN pin by applying a voltage to that pin, it will still operate at 2.85 V levels. If a new version board is used in a circuit designed to support the original board, it will behave identically to the original board with 2.85 V levels as long as there are no connections made to pin 30. If external circuitry is connected to pin 30, contact Janus to evaluate the design.
2. Config Options: Provisioning is turning on a device on the network. Activation is assigning MEID's to a customer account. SIM designation is for installation of the SIM

**Contact Sales for Additional Special Order Options: Dave Jahr: djahr@janus-rc.com | 630-499-2121**



Division of The Connor-Winfield Corporation  
2359 Diehl Road • Aurora, IL 60502  
630.499.2121 • info@janus-rc.com  
[www.janus-rc.com](http://www.janus-rc.com)



**Making machines talk.**

© Copyright 2017 Janus Remote Communications. All Rights Reserved  
*Specifications subject to change without notice*  
See website for latest revision. Not intended for life support applications.