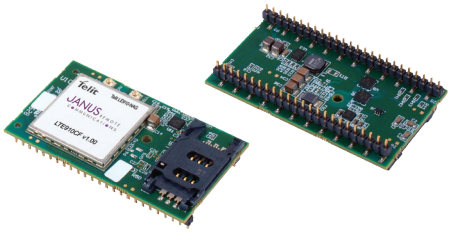
PRODUCT BRIEF

JANUS REMOTE COMMUNICATIONS

# Embedded Cellular CF Footprint
# LTE910CF CAT 3 Plug-In Modem

## Description



The Janus line of Common Footprint (CF) Socket Modems are footprint compatible, GPS enabled, plug-in terminals for use in GSM/GPRS, EDGE, CDMA, HSPA+, EV-DO, 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 **AT&T LTE910CF v1.00** CF socket modem is an LTE Category 3 PTCRB and Carrier certified 4G cellular modem. They utilize the Telit LE910-NAG module as their cellular engine. The LTE910CF v1.00 units operate in LTE bands (B17), (B5), and (B2), with fallback to GSM, GPRS, EDGE, UMTS, or HSPA+ networks as needed. End device certification allows users to implement the LTE910CF in their devices with no further North American carrier certification requirements.

The **Verizon LTE910CF v3.00** CF socket modem is an LTE Category 3 Carrier end device certified 4G cellular modem. They utilize the Telit LE910-SVG module as their cellular engine. The LTE910CF v3.00 units operate in LTE bands (B13) and (B4). End device certification allows users to implement the LTE910CF in their devices with no further North American carrier certification requirements. End device certification allows users to implement the LTE910CF in their devices with no further North American carrier certification requirements.

**LTE910CF modems are pin compatible with the full line of Janus CF Plug-In Products.**

## LTE910CF Specifications & Features

- Data Rate:
  - LTE: 100.0D/50.0U Mbps
  - HSPA+: 42.0D/5.76U Mbps
  - UMTS: 384.0D/384.0U Kbps
- 2G Bands: GSM 850, PCS1900
  - 3G Bands: B5 (850), B2 (1900)
  - LTE Bands: B17 (700), B5 (850), B4 (1700), B2 (1900)
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power
  - Class 4 (2W, 33 dBm) @ GSM 850 / 900
  - Class 1 (1W, 30 dBm) @ GSM 1800 / 1900
  - Class 3 (0.25W, 24 dBm) @ UMTS
  - Class 3 (.2W, 23dBm) @ LTE
  - Class E2 (0.5W, 27 dBm) @ EDGE 850 / 900
  - Class E2 (0.4W, 26 dBm) @ EDGE 1800 / 1900
- 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
- Variable logic level (UART/GPIO)
  - Adjustable from 1.8 - 5.0Vdc
  - Defaults to 2.85v
- SIM Card
  - Locking SIM card socket, Mini (2FF size) SIM
  - Or, Optional SIM on a chip
- Cellular, Rx Diversity & MIMO DL 2x2, and GPS/GLONASS available via Murata GSC miniature RF connector
- GPS
  - Stand alone GPS available at AT command interface
  - NMEA data
  - Dedicated GPS antenna connection w/active antenna support

*Take the complexity out of designing cellular IoT solutions with Janus Socket Modems.*

## Applications

Suitable for all M2M Applications

- Fleet Management
- Asset Tracking
- Security Systems
- Telemetry
- Telematics & Telecontrol
- Remote Monitoring Systems
- Remote Meter Reading
- Vending Machines

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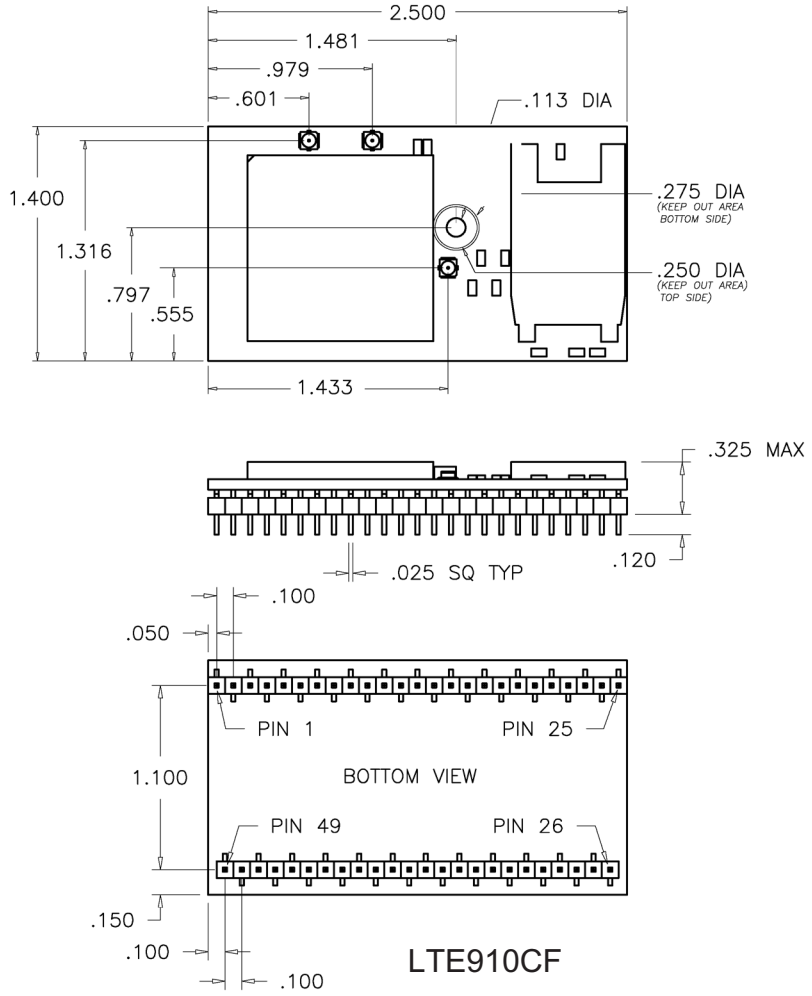
Bulletin JA03-PB_LTE-C4
Revision 09
Date 18 Oct 2018

Telit is in it.
Making machines talk.

# LTE910CF CF Plug-In Mechanical Drawings




## Ordering Information

| LTE910CF | V100 | T | A | U | V | N |
|---|---|---|---|---|---|---|
| **Cellular Terminal**<br>**LTE**<br>LTE910CF | **Carrier Certified & Version**<br>**LTE**<br>V100 = AT&T<br>V300 = Verizon | **Modem Provider**<br>T = Telit | **Firmware**<br>A = 17.01.502 (AT&T)<br>17.01.571 (Verizon)<br>B = 17.01.573 (Verizon)<br>*Note 2* | **Connector**<br>U for U.FL | **Voltage**<br>V = Variable | **Config Options**<br>N = No Config<br>P = Provisioning<br>A = Activation<br>S = SIM<br>*Note 1* |

Example: Part Number – LTE**910CFV100TAUVN** = LTE Cellular Plug-In Terminal; AT&T Certified; Telit Modem; Standard Firmware with a U.FL Connector with a Variable Voltage with no configuration options.

*Notes:*

*1. **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*

*2. Check with Janus for appropriate firmware version.*

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

## Revision History

| Revision | Revision Date | Note |
|---|---|---|
| P00 | 07/30/14 | Initial Product Brief |
| P03 | 09/29/15 | Updated Description Information |
| P07 | 03/15/17 | Change to Connector and Voltage |
| P08 | 05/02/18 | Update Description Information |
| 09 | 10/18/18 | Updated Firmware on Ordering Information |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