JANUS REMOTE COMMUNICATIONS

CF Socket Modem Series
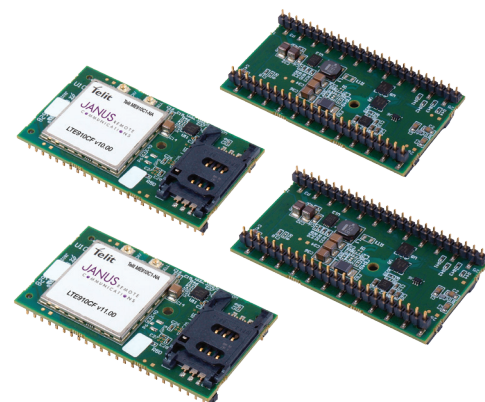## LTE910CF CAT-M1 Embedded 4G Cellular Modem

Description

The Janus line of Common Footprint (CF) Socket Modems are footprint compatible, embedded cellular devices for use in LTE communication networks. They were specifically designed to provide customers with cost effective modules 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 v10.00 Common Footprint (CF) Socket Modems are LTE Category M1 PTCRB and AT&T certified 4G cellular modems. They utilize the Telit ME910C1-NA module as their cellular engine. The LTE910CF v10.00 units operate in LTE bands (B2), (B4), (B12) and (B17).

End device certification allows users to implement the LTE910CF in their devices with no further North American carrier certification requirements

The Verizon LTE910CF v11.00 Common Footprint (CF) Socket Modem are LTE Category M1 Verizon end device certified (pending) 4G cellular modems. They utilize the Telit ME910C1-NA module as their cellular engine. The LTE910CF 11.00 units operate in LTE band (B13). End device certification allows users to implement the LTE910CF in their devices with no further North American carrier certification requirements.

LTE910CF CAT1 Features

- LTE910CF CAT M1 Features
- Data Rate: LTE: 300D/375U Kbps
- V10.00 Frequency bands (AT&T)
  - LTE Bands: B12/B13(700), B4(AWS1700), B2(1900)
- V11.00 Frequency bands (Verizon)
  - LTE Bands: B13(700)
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power: Class 3 (0.2W, 23 dBm) @ LTE
- Dimensions: 2.5" x 1.4" x 0.325"
- 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
- Antenna:
  - Cellular and GNSS antennas
  - U.FL miniature RF connectors
- GNSS
  - Stand alone GPS and GLONASS available at AT command interface
  - A-GPS support
  - NMEA data
  - GNSS antenna connection w/active antenna support

Available in two different versions for North America:

LTE910CF v10.00 TBUVN (AT&T)

LTE910CF v11.00 TAUVN (Verizon)
Verizon Certification Pending

The LTE910CF is pin compatible with the full line of Janus Socket Modem CF Products.

Applications
Suitable for all M2M Applications

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

Take the complexity out of designing cellular IoT solutions with Janus Socket Modems.
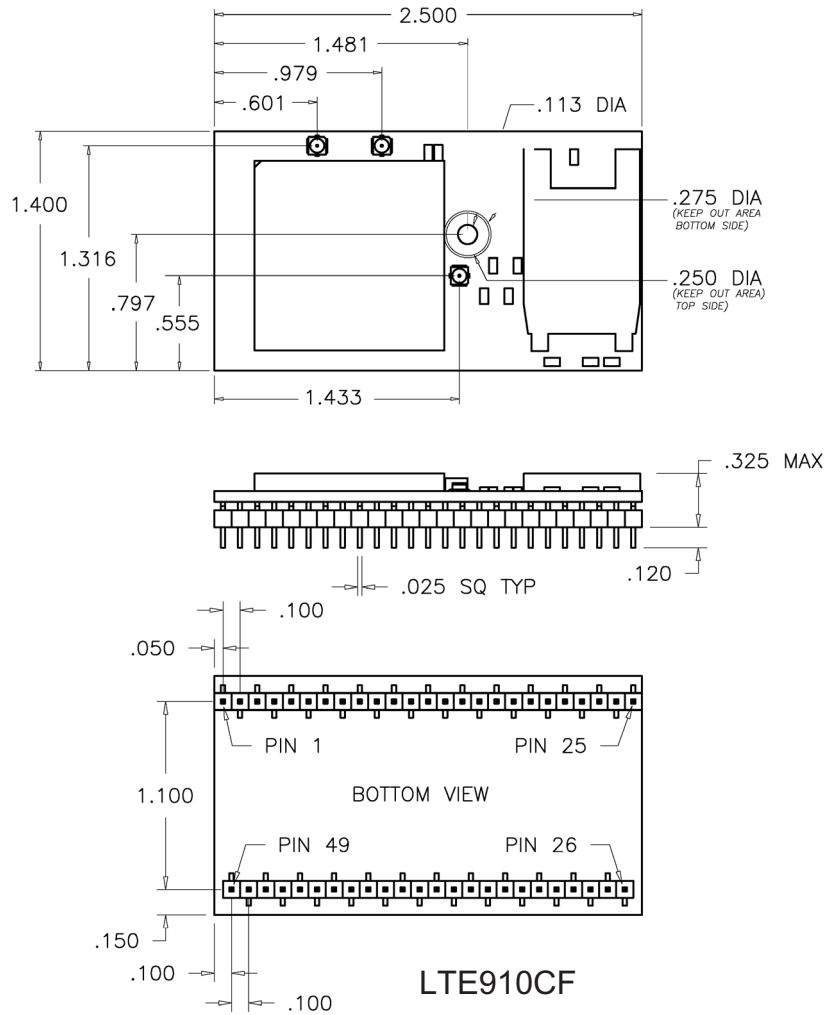
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Telit is in it.

Making machines talk.

LTE910CF CAT-M1 CF Socket Modem Mechanical Drawings

Ordering Information

LTE910CF	V1000	T	x	U	V	N
Cellular Terminal **LTE** LTE910CF	**Carrier Certified & Version** **LTE** V1000 = AT&T V1100 = Verizon	**Modem Provider** T = Telit	**Firmware** * Call Sales Rep for most recent firmware version.	**Connector** U for U.FL	**Voltage** V = Variable	**Config Options** N = No Config P = Provisioning A = Activation S = SIM *Note 1*

Example: Part Number – LTE**910CFV1000TxUVN** = LTE Cellular Plug-In Terminal; AT&T Certified; Telit Modem; Current 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*

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

Revision History

Revision	Revision Date	Note
00	11/20/18	Initial Product Brief
01	11/22/19	Updated Description and Ordering Information Firmware
02	02/20/20	Updated Certification information
03	02/27/20	Updated v10.00 model number firmware

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