# JANUS REMOTE COMMUNICATIONS

CF Socket Modem Series
LTE910CF CAT1 Embedded 4G Cellular Modem

Description

The Janus line of Common Footprint (CF) Socket Modems are footprint compatible, some are GPS enabled, plug-in terminals for use in HSPA+ and 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 v7.00** Common Footprint (CF) Socket Modem is an LTE Category 1 PTCRB and Carrier certified 4G cellular modem. They utilize the Telit LE910-NA1 module as their cellular engine. The LTE910CF v7.00 units operate in LTE bands (B13), (B12), (B5), (B4) and (B2), with fallback to 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 v6.00** Common Footprint (CF) Socket Modem is an LTE Category 1 Carrier end device certified 4G cellular modem. They utilize the Telit LE910-SV1 module as their cellular engine. The LTE910CF v6.00 units operate in LTE bands (B13), (B4), and (B2). End device certification allows users to implement the LTE910CF in their devices with no further North American carrier certification requirements.
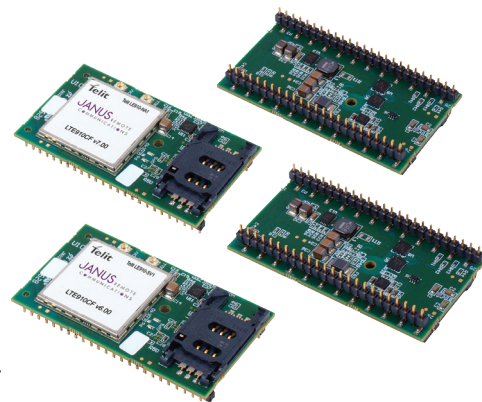
LTE910CF CAT1 Features

- Data Rate: LTE: 10D/5U Mbps
- V6.00 Frequency bands (Verizon)
  - LTE Bands: B2(1900), B4(AWS1700), B13(700)
- V7.00 Frequency bands (AT&T)
  - LTE Bands: B12/B13(700), B5(850), B4(AWS1700), B2(1900)
  - 3G Bands: B5(850), B2(1900)
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power: Class 3
  - (0.2W, 23 dBm) @ LTE
  - (0.25W, 24 dBm) @ WCDMA
- 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
  - Or, Optional SIM on a chip
- Cellular, Rx Diversity & MIMO DL 2x2 available via miniature RF connector

Available in two different versions for North America:

LTE910XF v6.00 TAUVN (Verizon)

LTE910CF v7.00 TBUVN (AT&T, T-Mobile, Rogers, Bell, Telus)

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.

Telit is in it.

Making machines talk.

LTE910CF CAT1 CF Socket Modem Mechanical Drawings

2.500
1.481
.979
.601
.113 DIA
1.400
1.316
.797
.555
1.433

.275 DIA
(KEEP OUT AREA BOTTOM SIDE)

.250 DIA
(KEEP OUT AREA TOP SIDE)

.325 MAX
.120
.025 SQ TYP
.100
.050

PIN 1   PIN 25

BOTTOM VIEW

1.100

PIN 49   PIN 26

.150
.100
.100

LTE910CF

Ordering Information

LTE910CF	V700	T	A	U	V	N
Cellular Terminal **LTE** LTE910CF	**Carrier Certified & Version** **LTE** V600 = Verizon V700 = AT&T	**Modem Provider** T = Telit	**Firmware** A = 20.00.012 (Verizon) = 20.00.522 (AT&T) B = 20.00.014 (Verizon) = 20.00.524 (AT&T) *Note 2*	**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**910CFV700TAUVN** = 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	08/30/16	Initial Product Brief
P01	03/15/17	Updated Connector and Voltage Information
P02	04/12/17	Updated Telit Modules
P03	05/30/18	Updated Module Version and Descriptions
04	10/18/18	Updated Firmware Ordering Information

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