

# JANUS REMOTE COMMUNICATIONS

## Embedded Cellular XF Footprint LTE910XF CAT 1 Socket Modem

### Description

The Janus line of “X” Footprint (XF) socket modems are footprint compatible cellular modems for use in LTE communication networks globally. They are carrier “end device certified” with industry standard 20-pin headers that are easily integrated into new and existing designs. Their “end device” classification allows users to integrate any certified cellular XF modem into their application with no further requirements, allowing for a quick to market solution. The XF modems are interchangeable to allow for maximum network flexibility while removing the worry of product obsolescence.

The LTE910XF CAT1 Socket Modems are available in two versions: LTE910XF v6.00 for Verizon and LTE910XF v7.00 for AT&T. Both versions use Telit LE910’s as their cellular engine. The LTE910XF v6.00 units operate in LTE CAT1 only using bands B2, B4 and B13. The LTE910XF v7.00 units operate in LTE CAT1 with fallback to HSPA+, in B2, B4, B5, B12 and B13 bands, and defaults to the appropriate network.

LTE910XF v6.00 TAUVN (Verizon)

LTE910XF v7.00 TAUVN (AT&T, T-Mobile, Rogers, Bell, Telus)

### Technical Specifications

#### Form Factor

Industry Standard 20-Pin Connector Interface  
PCB Mount  
1.14” x 1.3” x 0.256”

#### Approvals

Regulatory: FCC, GCF, PTCRB  
Carrier: AT&T and Verizon

#### Temp Range: -40°C to 85°C

#### Input Voltage: 3.4 to 4.2Vdc

#### Data Rate:

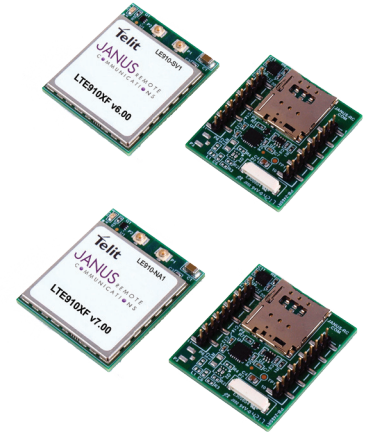
LTE: 10.3D/5.2U Mbps

#### Frequency Bands

LTE Bands: B12 & B13 (700), B5 (850), B4 (1700), B2 (1900) - v7.00  
LTE Bands: B2 (700), B4 (1700), B13 (700) - v6.00  
3G Bands: B5 (850), B2 (1900) - v7.00

#### TCP/IP stack access via AT commands

#### Cellular, Rx Diversity & MIMO DL 2x2



### Features

- Industry Standard 20-Pin Connector Footprint
- 2 U.FL port for antenna diversity
- Easy migration path, future-proof
- Development kits available
- Capable of 10 Mbps download / 5 Mbps upload speed

### Advantages

- Approvals: FCC, GCF, PTCRB, AT&T, CE
- Migration path to new LTE categories

### Applications

Suitable for all IoT / M2M Applications

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

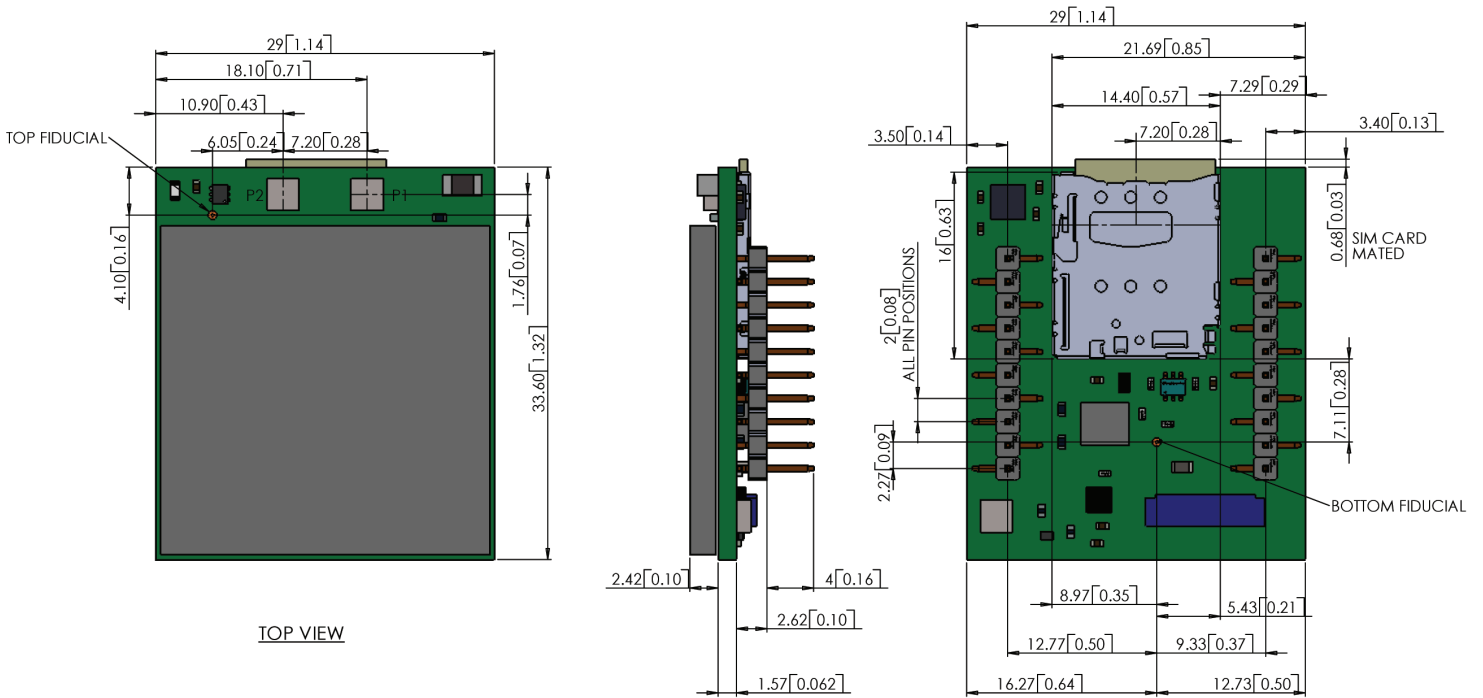
2359 Diehl Road  
Aurora, IL 60502  
**630.499.2121**  
info@janus-rc.com  
www.janus-rc.com

Bulletin **JA20-PB\_LTE-C1**  
Revision **02**  
Date **03 Oct 2018**



Making machines talk.

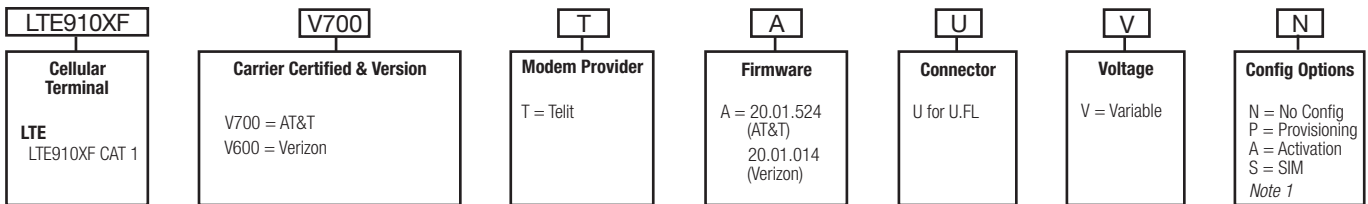
# LTE910XF CAT1 Mechanical Drawing



BOTTOM VIEW

Driving Dimensions: mm  
[inches]

## Ordering Information



Example: Part Number – LTE910XFV700TAUVN = 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

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

## Revision History

Revision	Revision Date	Note
00	01/10/18	Initial Release
01	07/10/18	Additional description information
02	10/03/18	Updated Mechanical Drawing



Division of The Connor-Winfield Corporation  
2359 Diehl Road • Aurora, IL 60502  
630.499.2121 • info@janus-rc.com

www.janus-rc.com



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