

# JANUS REMOTE COMMUNICATIONS

## Embedded Cellular XF Footprint LTE910XF v20.00 CAT-M1/NB2 Embedded Modem

### Description

The Janus line of “X” Footprint (XF) embedded 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.

The LTE910XF v20.00 CAT-M1/NB2 embedded modem uses the Telit ME910G1-WW as its cellular engine and has global PTCRB, AT&T, Verizon and RED certifications. The LTE910XF v20.00 units operate in CAT-M1/NB2 LTE 4G and 2G bands (see below).

### Technical Specifications

#### Form Factor

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

#### Approvals

Regulatory: FCC, ISED, PTCRB  
Carrier: PTCRB, AT&T, Verizon and RED certifications;

#### Temp Range: -40°C to 85°C

#### Input Voltage: 3.4 to 5.5Vdc

#### Data Rate:

**LTE Cat M1 (Rel. 14)**

- Uplink up to 1 Mbps
- Downlink up to 588 Kbps

**LTE Cat NB2 (Rel. 14)**

- Uplink up to 160 Kbps
- Downlink up to 120 Kbps

#### EGPRS (2G Fallback variants)

- Uplink up to 210 Kbps
- Downlink up to 264 Kbps

#### Frequency Bands

**LTE 4G Bands:** B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B71, B85  
**2G Bands:** 850, 900, 1800, 1900

#### Interface:

UART & USB  
Internal TCP/IP stack available via AT commands  
Use external stack with CDC-ACM and ECM drivers.  
Supports RmNet for commands only (no data).

#### SIM Card: 3FF Micro

#### Antenna Connections: Cellular and GPS

#### Warranty: One year standard

### Applications

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



The LTE910XF v20.00 modems are part of the CellBridge™ Janus Products.

## CellBridge™

### Features

- Industry Standard 20-Pin Connector Footprint
- 2 U.FL port for antenna diversity
- Easy migration path, future-proof
- Development kits available

### Advantages

- Approvals: PTCRB, AT&T, Verizon and RED certifications
- Migration path to new LTE Bands

### Telit OneEdge® Availability

Telit offers ME910G1 with OneEdge, a software suite integrated with deployment and management tools to address the complexity expected with the exponential growth in the number of IoT devices. The following components include:

- **Lightweight M2M protocol** enables comprehensive device management, FOTA updates and application enablement of low-power devices with the goal of more robust and secure connections.
- **Telit simWISE™**, a module-embedded SIM technology, enables reduced footprint, streamlined manufacturing and logistics, secure communications for connected devices.
- **Telit IoT AppZone** can run code and applications directly inside the Telit module.
- **Telit's Connection Manager** automates operations for connection to cellular networks.
- **Location services** provide the position of devices even in the absence of a GNSS connection.

Telit ONEEDGE™



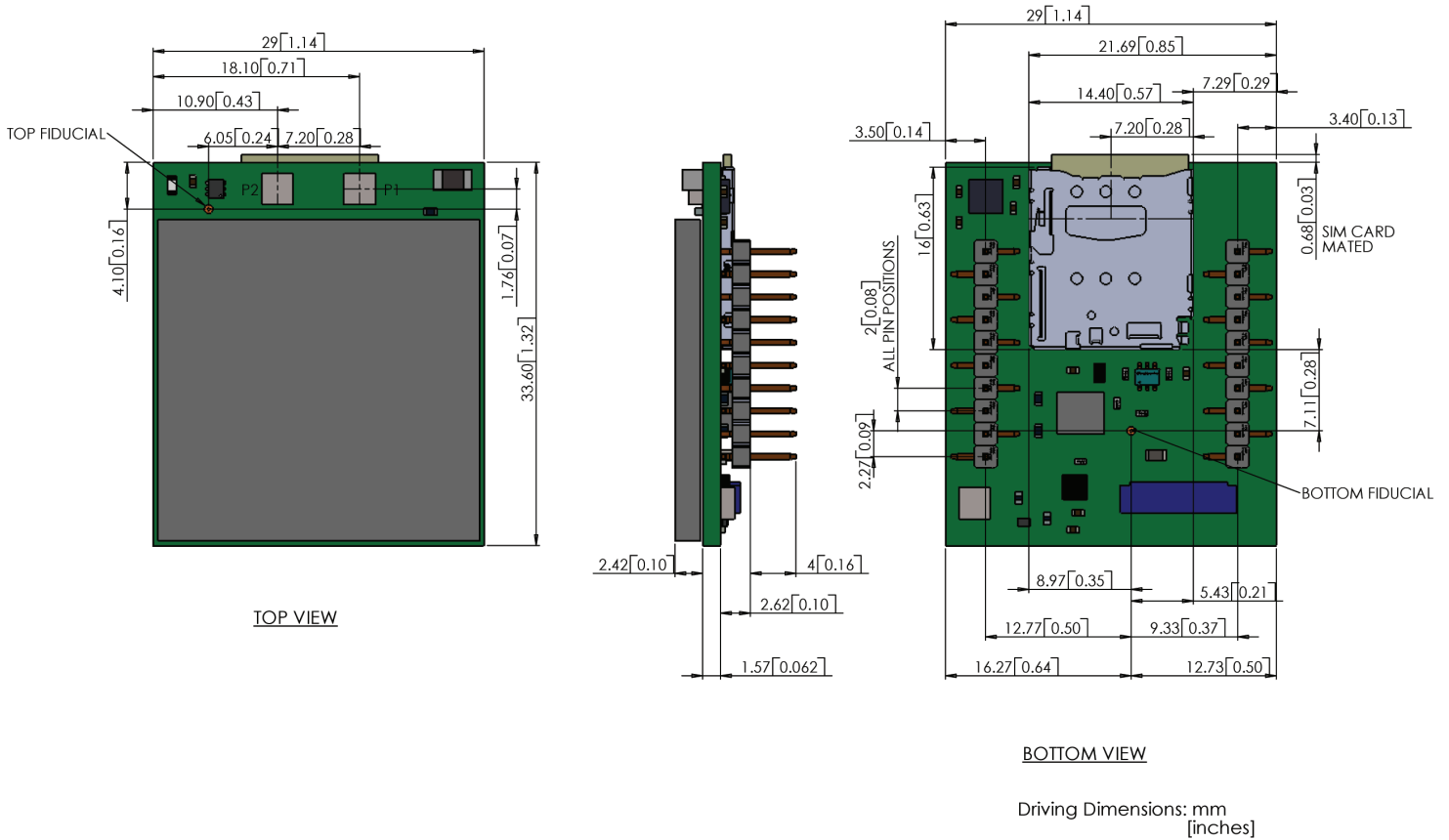
Making machines talk.

2359 Diehl Road  
Aurora, IL 60502  
**630.499.2121**

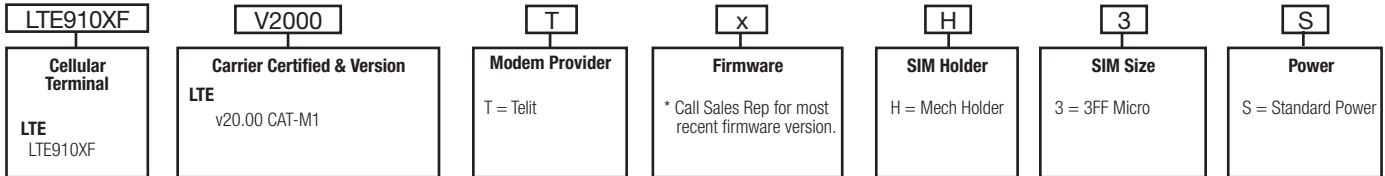
info@janus-rc.com  
www.janus-rc.com

Bulletin **JA20-PB\_LTE-v20**  
Revision **07**  
Date **14 March 2023**

## LTE910XF v20.00 CAT-M1/NB2 Mechanical Drawing



### Ordering Information



Example: Part Number – LTE910XFV2000TBH3S = LTE Cellular XF Embedded Modem; Telit Modem; Current Firmware; Mech SIM Holder; SIM Card Size 3FF; Standard Power

Contact Sales for Additional Special Order Options: Bill Borton: [bborton@janus-rc.com](mailto:bborton@janus-rc.com) | 630-499-2121

### Revision History

Revision	Revision Date	Note
00	04/22/20	Initial Release
01	11/04/20	SIM Card Info Updated
02	03/16/21	Updated Mechanical Drawing
03	06/08/21	Updated Specifications, Mechanical Drawing and Ordering Information
04	08/10/21	Updated Interface Specifications
05	12/09/21	Updated Certification Approvals
06	02/01/22	Edited copy
07	03/14/23	Updated Contact Information

**JANUS** REMOTE  
COMMUNICATIONS

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

[www.janus-rc.com](http://www.janus-rc.com)

**CellBridge™**  
Global Cellular Modem Solutions

© Copyright 2023 Janus Remote Communications | *Specifications subject to change without notice*  
All Rights Reserved | See website for latest revision. | Not intended for life support applications.