

# JANUS REMOTE COMMUNICATIONS

## LTE910XFX v1.00 4G Worldwide Embedded CAT1 Cellular 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 LTE910XFX v1.00 CAT1 embedded modem uses the Telit LE910C1-WWXD as its cellular engine and has global PTCRB, AT&T, Verizon and RED certifications\*.

The LTE910XFX v1.00 units operate in CAT1 LTE 4G, 3G, and 2G bands and are capable of worldwide operation (see below).

\* Certifications pending

### Technical Specifications

- Data Rate: LTE: 10D/5U Mbps

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- Multi-Band Support
  - 4G (LTE): B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B14, B18, B19, B20, B25, B26 and B28
  - 3G (HSPA+): B1, B2, B4, B5, B6, B8, and B19
  - 2G: B2, B3, B5, and B8

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- TCP/IP stack access via AT commands

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- SMS (MO / MT)

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- Output power: Class 3 (0.2W, 23 dBm) @ LTE

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- Dimensions: 1.19” x 1.37” x 0.256”

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- Operational temperature range: -40°C to 85°C

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- Internal Switching Regulator:
  - Input Voltage Range: 3.4 to 5.5 Vdc (5Vdc nominal)
  - Supply disable via terminal input pin

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- Variable logic level (UART/GPIO)
  - Adjustable from 1.2 - 5.5 Vdc

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- SIM Card
  - 3FF micro SIM card socket

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- Antenna:
  - Cellular and GNSS antenna ports
  - U.FL miniature RF connectors

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- GNSS
  - Stand alone GPS, GLONASS, Beidou, Galileo, and QZSS available at AT command interface
  - A-GPS support
  - NMEA data
  - GNSS antenna connection w/active antenna support

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- Command and Data Interface:
  - UART
  - USB 2.0



The LTE910XFX v1.00 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 and Verizon Certifications; RED certification (Pending)
- Migration path to new LTE Bands

### Applications

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

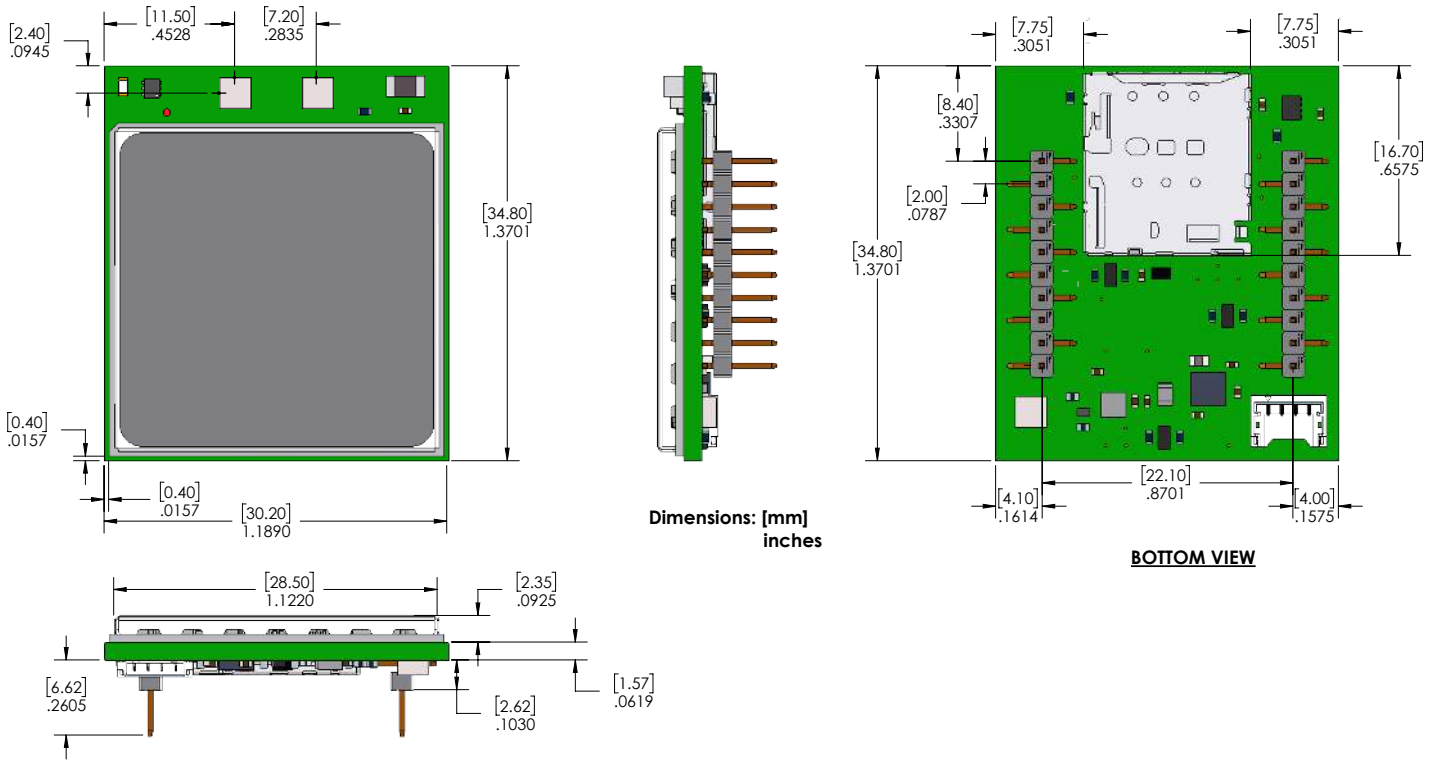
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Bulletin JA20-PB LTE910XFX-v1  
Revision 01  
Date 14 March 2023



Making machines talk.

## LTE910XFX v1.00 CAT1 Mechanical Drawing



### Ordering Information

<b>LTE910XFX</b>	<b>V100</b>	<b>T</b>	<b>x</b>	<b>H</b>	<b>3</b>	<b>S</b>
<b>Cellular Terminal</b>	<b>Carrier Certified &amp; Version</b>	<b>Modem Provider</b>	<b>Firmware</b>	<b>SIM Holder</b>	<b>SIM Size</b>	<b>Power</b>
LTE LTE910XFX	LTE v1.00 CAT1	T = Telit	* Call Sales Rep for most recent firmware version.	H = Mech Holder	3 = 3FF Micro	S = Standard Power

Example: Part Number – LTE910XFXV100TAH3S = 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	06/23/22	Initial Release
01	03/14/23	Updated Certifications