

JANUS REMOTE COMMUNICATIONS

Embedded Cellular XF Footprint LTE910XF v16.00 CAT 4 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 certification allows users to implement the LTE910XF in their devices with no further North American carrier certification 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 v16.00 Socket Modem is an LTE Category 4 cellular modem with support for multiple carriers including AT&T and Verizon networks. It utilizes the Telit LE910C4-NF module as its cellular engine. The LTE910XF v16.00 units operate in LTE bands B2, B4, B5, B12, B13, B14, B66, and B71.

* Verizon may require FOTA and data retry demonstration for full certification. FirstNet requires certification in the user end product.

LTE910XF v16.00 Features

- Data Rate: LTE: 150D/50U Mbps
- Multi-Band Support
 - LTE Bands: 1900 (B2), 1700 (B4), 850 (B5), 700 (B12/B13/B14), AWS-3 (B66), 600 (B71)
 - UMTS/HSPA+ Bands: 1900 (B2), 1700 (B4), 850 (B5),
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power: Class 3 (0.2W, 23 dBm) @ LTE
- Dimensions: 1.14” x 1.3” x 0.256”
- Operational temperature range: -40°C to 85°C
- Internal Regulator:
 - Input Voltage Range: 3.5 to 5.5Vdc
- Variable logic level (UART/GPIO)
 - Adjustable from 1.8 to 5.0Vdc
- SIM Card: Micro (3FF size) SIM
- Antenna:
 - Cellular and GNSS antennas
 - U.FL miniature RF connectors
- GNSS:
 - Stand alone GNSS available at AT command interface
 - GPS / Glonass / Beidou / Galileo / QZSS
 - A-GPS support
 - NMEA data
 - GNSS antenna connection with active antenna support



Features

- Industry Standard 20-Pin Connector Footprint
- 2 U.FL cellular MIMO;
- 1 U.FL GNSS
- Easy migration path, future-proof
- Development kits available
- Capable of 150 Mbps download / 50 Mbps upload speed

Advantages

- Approvals: FCC, GCF, PTCRB, AT&T, Verizon, 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

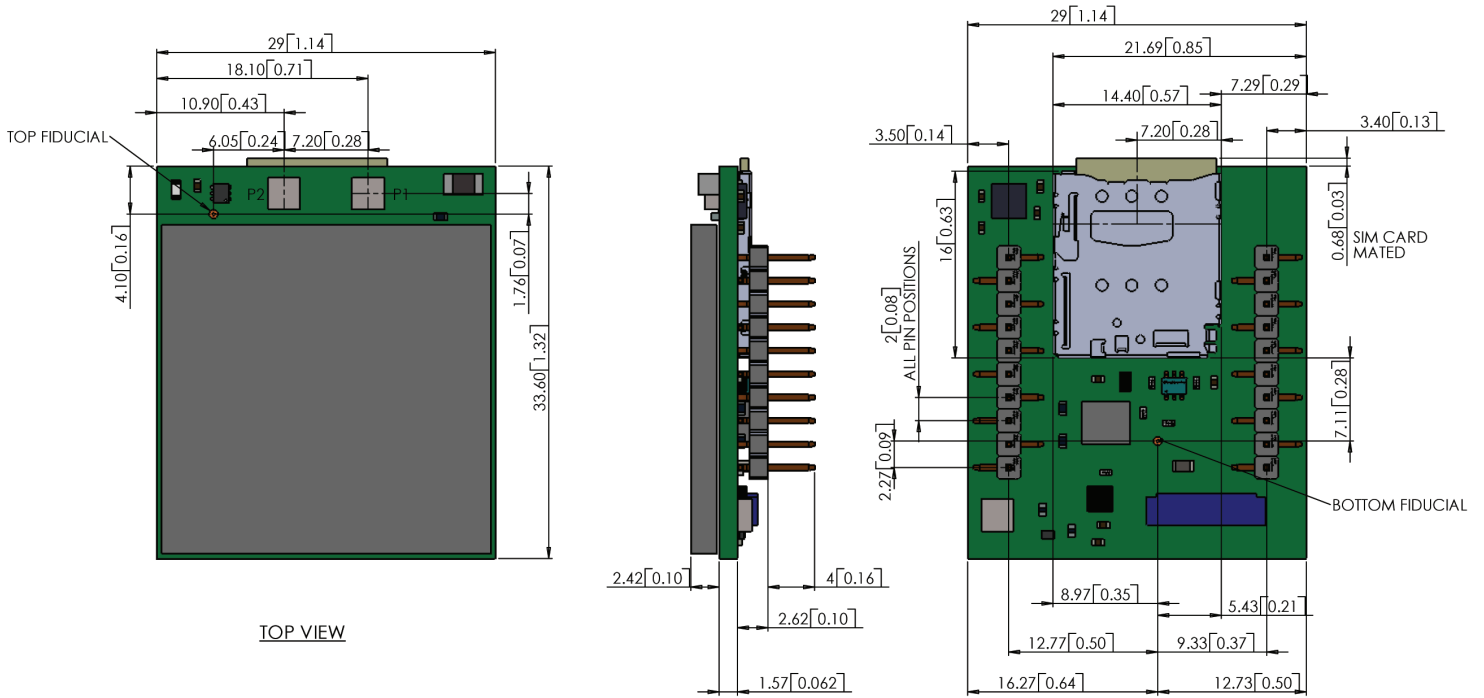
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Bulletin	JA20-PB_LTE-v16
Revision	00
Date	09 Nov 2021



Making machines talk.

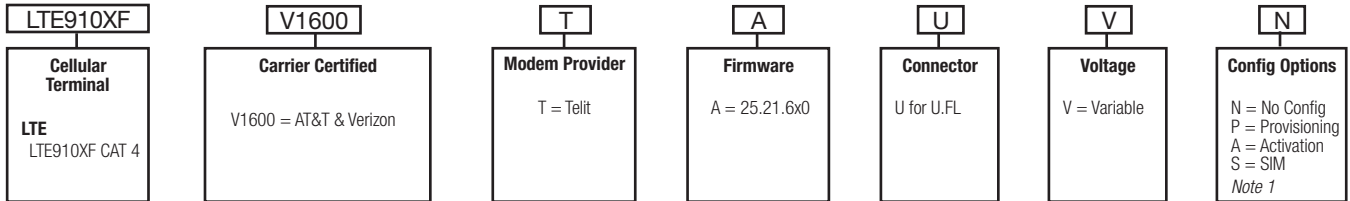
LTE910XF v16.00 CAT4 Mechanical Drawing



BOTTOM VIEW

Driving Dimensions: mm
[inches]

Ordering Information



Example: Part Number – LTE910XFV1600TAUVN = LTE Cellular Plug-In Terminal; AT&T and Verizon 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	11/09/21	Initial Release



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