JANUS REMOTE COMMUNICATIONS

Embedded Cellular XF Footprint LTE910XF CAT-M1 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 CAT-M1 Socket Modems are available in two versions: LTE910XF v10.00 for AT&T and LTE910XF v11.00 for Verizon. Both versions use the Telit ME910C1 as their cellular engine. The LTE910XF v10.00 units operate in LTE CAT M1 LTE bands B2, B4 and B12. The LTE910XF v11.00 units operate in LTE CAT-M1 bands B4 and B13.

Available in two different versions for North America:
LTE910XF v10.00 TBUVN (AT&T)
LTE910XF v11.00 TAUVN (Verizon - certification pending)

Technical Specifications

Form Factor
Industry Standard 20-Pin Connector Interface
PCB Mount
1.14" x 1.3" x 0.256"

Approvals (pending)
Regulatory: FCC, GCF, PTCRB
Carrier: AT&T and Verizon

Temp Range: -40°C to 85°C

Input Voltage: 3.5 to 5.5Vdc

Data Rate: 300D/375U kbps

Frequency Bands
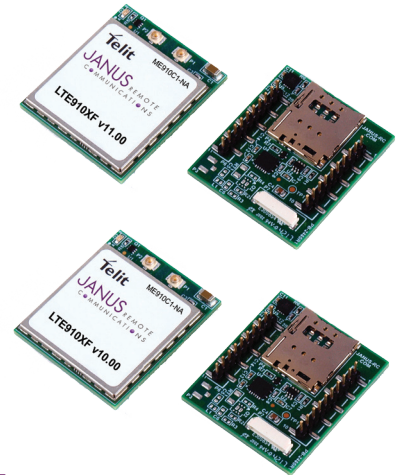v10.00: LTE B2, B4, B12
v11.00: LTE B4, B13

Interface:
UART & USB
Internal TCP/IP stack available via AT commands
Use external stack with CDC-ACM, NCM & MBIM drivers

SIM Card: 3FF Micro

Antenna Connections: Cellular and GPS

Warranty: One year standard

Features

- Industry Standard 20-Pin Connector Footprint
- 2 U.FL port for antenna diversity
- Easy migration path, future-proof
- Development kits available
- Capable of 300 Kbps download / 375 Kbps upload speed

Advantages

- Approvals: FCC, GCF, PTCRB, AT&T, Verizon (Pending), 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
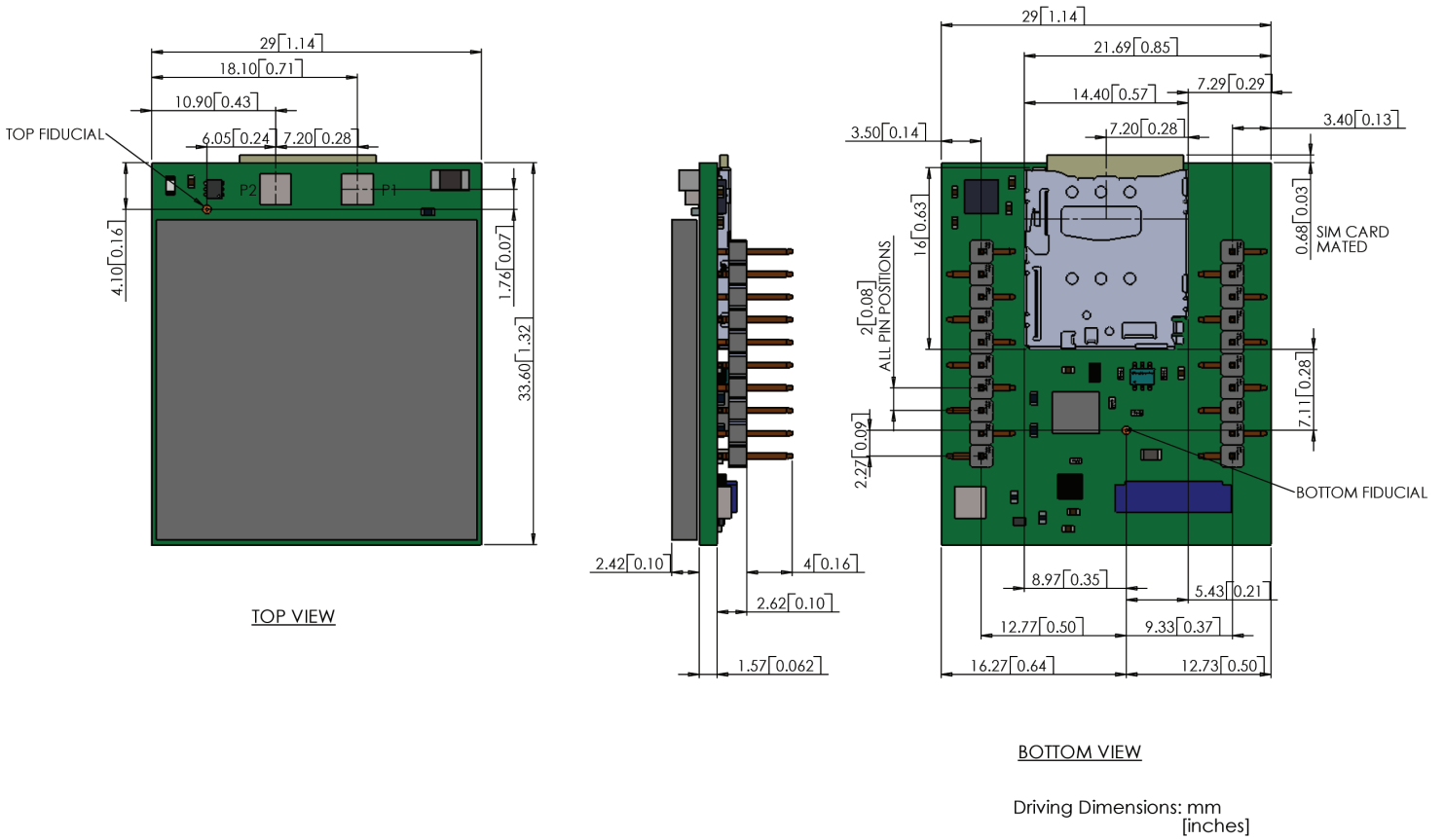- Remote Meter Reading
- Vending Machines

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is in it.

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LTE910XF CAT-M1 Mechanical Drawing

TOP VIEW

BOTTOM VIEW

Driving Dimensions: mm
[inches]

Ordering Information

LTE910XF	V10.00	T	x	U	V	N
Cellular Terminal	**Carrier Certified & Version**	**Modem Provider**	**Firmware**	**Connector**	**Voltage**	**Config Options**
LTE LTE910XF	V10.00 = CAT M1 AT&T V11.00 = CAT M1 Verizon	T = Telit	* Call Sales Rep for most recent firmware version	U for U.FL	V = Variable	N = No Config P = Provisioning A = Activation S = SIM *Note 1*
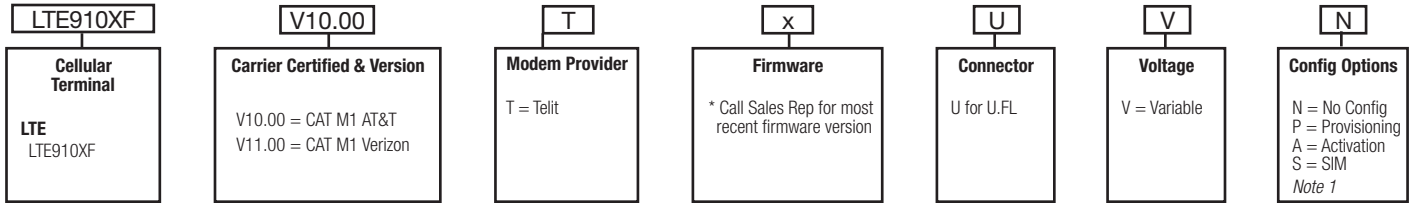
Example: Part Number – LTE910XFV10.00T*UVN = LTE Cellular Plug-In Terminal; AT&T Certified; Telit Modem; Current Firmware with a U.FL Connector with a Variable Voltage with no configuration options.

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	08/02/18	Initial Release
01	10/03/18	Updated Mechanical Drawing
02	10/18/18	Updated Firmware Ordering Information
03	12/20/18	Updated Data Rates, Input Voltage and Firmware Ordering Information
04	02/27/20	Updated v10.00 Firmware information and ordering information

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