JANUS REMOTE COMMUNICATIONS

European Embedded Cellular XF Footprint LTE910XF v12.00 CAT1 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 v12.00 operates in LTE bands B1, B3, B7, B8 and B20 with fallback to 2G (GSM/GPRS/EDGE) 900 and 1800 MHz bands.

Technical Specifications

Form Factor

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

Module Approvals:

GCF, RED (Radio Equipment Directive) Europe

Temp Range: -40°C to 85°C

Input Voltage: 3.5 to 5.5Vdc

Data Rate: LTE: 10.3D/5.2U Mbps

Frequency Bands

LTE Bands: B1, B3, B7, B8, B20
2G Bands: (GSM/GPRS/EDGE): EGSM 900, DCS 1800

SIM Card: 3FF Micro

Interface:

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

Antenna Connections:

Cellular, Rx Diversity & MIMO DL 2x2

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 10 Mbps download / 5 Mbps upload speed

Advantages

- Approvals: RED (pending)
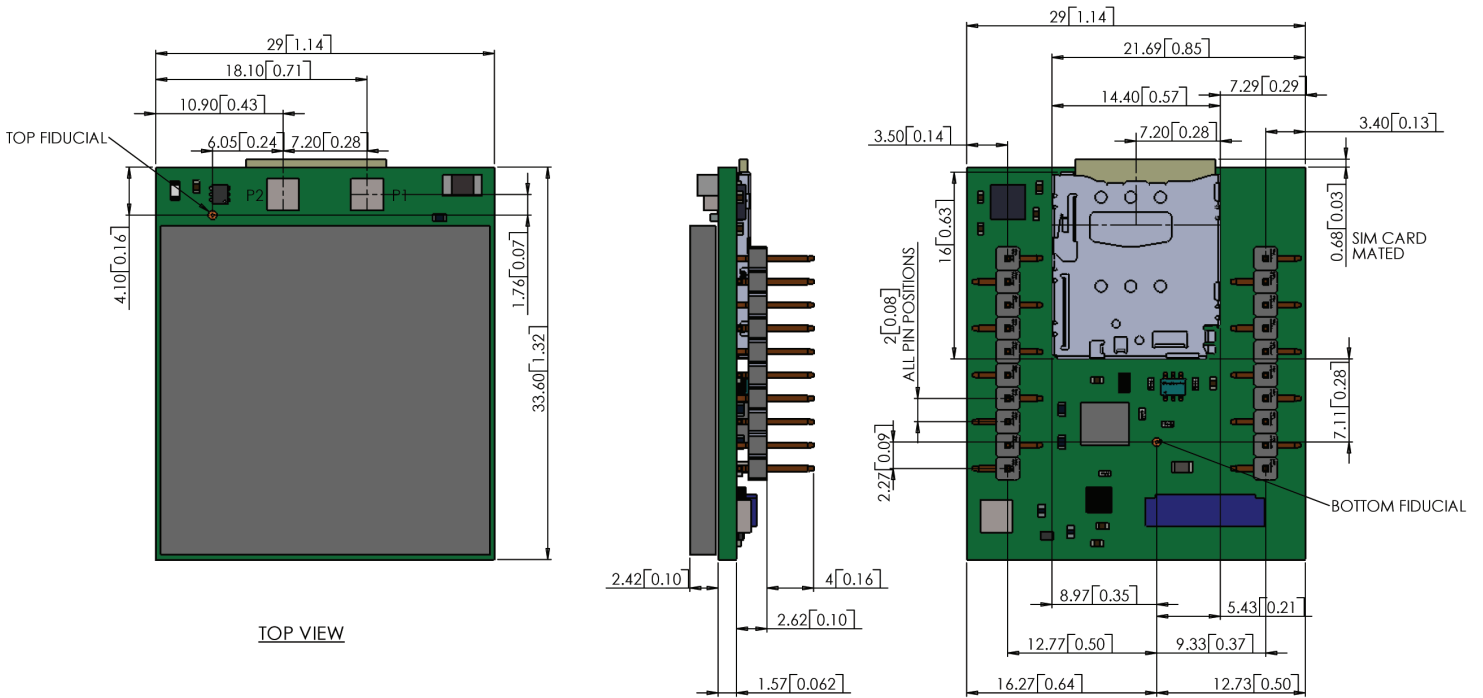- Migration path to new LTE categories

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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LTE910XF v12.00 CAT1 Mechanical Drawing

TOP FIDUCIAL

29 [1.14]
18.10 [0.71]
10.90 [0.43]
6.05 [0.24] 7.20 [0.28]
4.10 [0.16]
1.76 [0.07]
33.60 [1.32]
P2   P1

TOP VIEW

2.42 [0.10]
2.62 [0.10]
4 [0.16]
1.57 [0.062]

29 [1.14]
21.69 [0.85]
14.40 [0.57]
7.29 [0.29]
3.50 [0.14]
7.20 [0.28]
3.40 [0.13]
16 [0.63]
0.68 [0.03] SIM CARD MATED
2 [0.08] ALL PIN POSITIONS
2.27 [0.09]
7.11 [0.28]
BOTTOM FIDUCIAL
8.97 [0.35]
5.43 [0.21]
12.77 [0.50]
9.33 [0.37]
16.27 [0.64]
12.73 [0.50]

BOTTOM VIEW

Driving Dimensions: mm
[inches]

Ordering Information

LTE910XF	V1200	T	A	U	V	N
Cellular Terminal **LTE** LTE910XF CAT 1	**Carrier Certified & Version** v12.00 = Europe	**Modem Provider** T = Telit	**Firmware** A = 20.00.412	**Connector** U for U.FL	**Voltage** V = Variable	**Config Options** N = No Config P = Provisioning A = Activation S = SIM *Note 1*
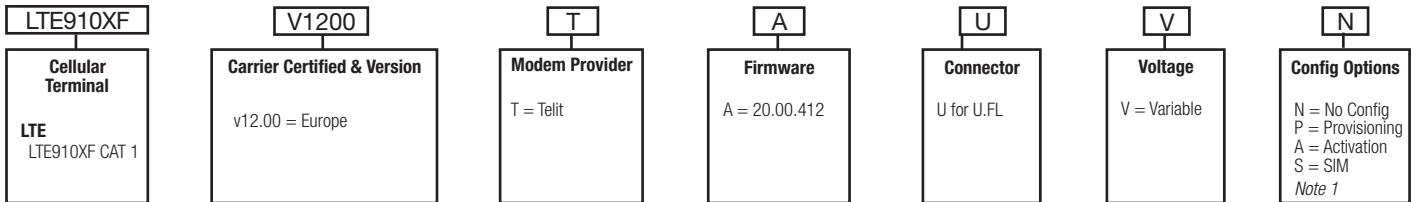
Example: Part Number – LTE910XFV1200TAUVN = LTE Cellular Plug-In Terminal; RED Certified (Europe); Telit Modem;
Standard Firmware with a U.FL Connector with a Variable Voltage with no configuration options.

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	07/26/18	Initial Release
01	10/03/18	Updated Mechanical Drawing
02	03/20/19	Updated Voltage Range
03	04/27/21	Updated Frequency Band

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