JANUS REMOTE COMMUNICATIONS

Micro Footprint (MF) Plug-In Series
LTE910MF CAT1 Cellular Modem

Description

The new Janus line of Micro Footprint (MF) Plug-In modems are the smallest full function cellular modems available on the market today. They are footprint compatible, end device certified plug-in terminals available for use in wireless communication networks. They were specifically designed to provide customers with cost effective products that are easily integrated into new and existing designs, require limited customer certification resources, and are completely interchangeable allowing for maximum network flexibility while removing the worry of product obsolescence.

The LTE910MF CAT1 MF Plug-In modems are available in two versions: LTE910MF v6.00 for Verizon and LTE910MF v7.00 for AT&T. Both versions use Telit LE910's as their cellular engine. The LTE910MF v6.00 units operate in LTE CAT1 only using bands B2, B4 and B13. The LTE910MF v7.00 units operate in LTE CAT1 with fallback to HSPA+, in B2, B4, B5, B12 and B13 bands, defaulting to the appropriate network. The LTE910MF is pin compatible with the full line of Janus MF Plug-In Products.

The LTE910MF is the LTE communication modem of the MF Plug-In series.

LTE910MF CAT1 Features

- Data Rate: LTE: 10D/5U Mbps
- V6.00 Frequency bands (Verizon)
  - LTE Bands: B2 (1900), B4 (AWS1700), B13 (700)
- V7.00 Frequency bands (AT&T)
  - LTE Bands: B12/B13 (700), B5 (850), B4 (AWS1700), B2 (1900)
  - 3G Bands: B5 (850), B2 (1900)
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power: Class 3
  - (0.2W, 23 dBm) @ LTE
  - (0.25W, 24 dBm) @ WCDMA
- Dimensions:1.33" x 1.152" x 0.37"
- Operational temperature range: -40°C to 85°C
- Internal Regulator:
  - Input Voltage Range: 4.75 to 5.25Vdc (5Vdc nominal)
  - Supply disable via terminal input pin
- Variable logic level (UART/GPIO)
  - Adjustable from 1.8 - 5.0Vdc
- SIM Card
  - Push-push type SIM card socket, 'nano' (4FF) size
  - Edge mount allows for easy external access
- Cellular, Rx Diversity & MIMO DL 2x2 available via miniature RF connector

Applications
Suitable for all M2M Applications

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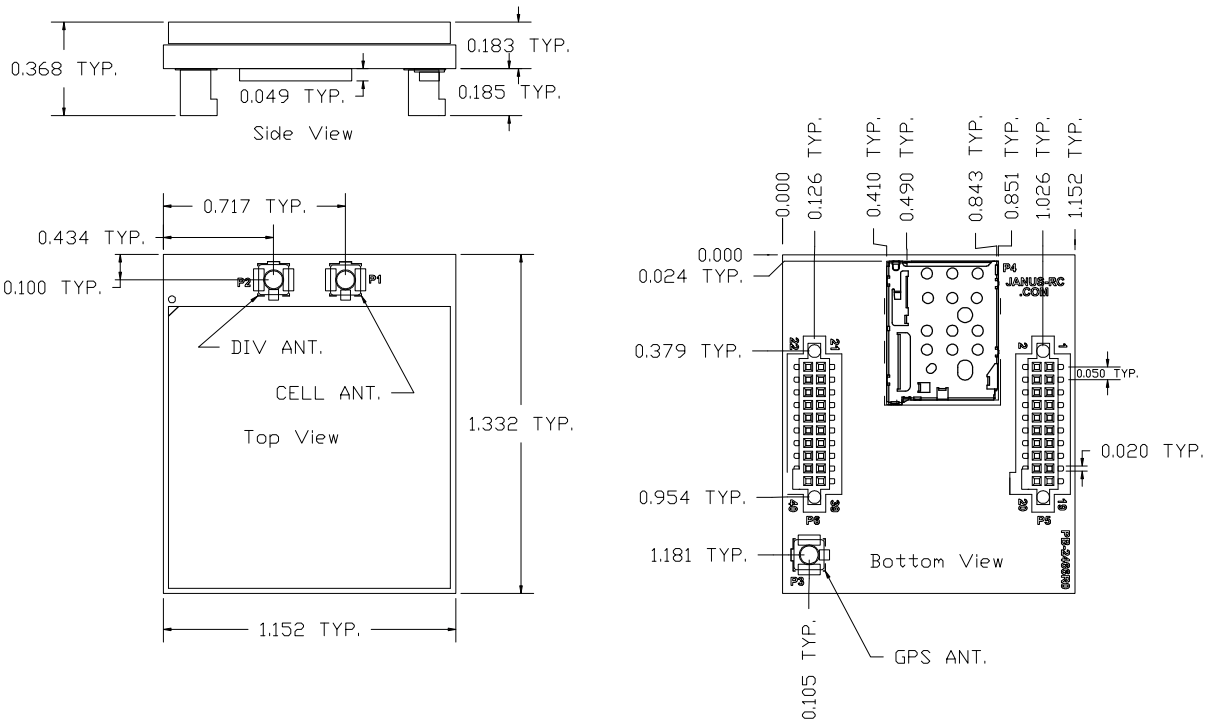- Remote Meter Reading
- Vending Machines

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LTE910MF CAT1 Terminal Plug-In Mechanical Drawings

Ordering Information

LTE910MF	V700	T	A	U	V	N
Cellular Terminal **LTE** LTE910MF	**Carrier Certified & Version** **LTE** V600 = Verizon V700 = AT&T	**Modem Provider** T = Telit	**Firmware** A = Standard	**Connector** U for U.FL	**Voltage** V = Variable	**Config Options** N = No Config P = Provisioning A = Activation S = SIM *Note 1*
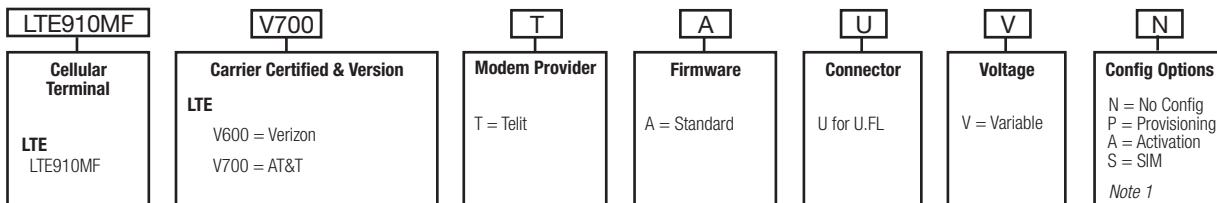
Example: Part Number – LTE910MFV700TAUVN = LTE Cellular Plug-In Terminal; AT&T Certified; Telit Modem; Standard Firmware with a U.FL Connector with a Variable Voltage with no configuration options.

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
P00	09/01/16	Preliminary Release

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