

JANUS REMOTE COMMUNICATIONS

CF Plug-In Series HSPA910CF v2.0 Terminal Modem

Description

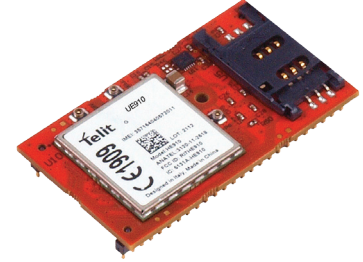
The Janus line of Common Footprint (CF) Plug-In modems are footprint compatible, GPS enabled, plug-in terminals for use in GSM/GPRS, EDGE, CDMA, HSPA+, EV-DO and LTE communication networks, and also Wi-Fi connectivity. They were specifically designed to provide customers with cost effective products that are easily integrated into new and existing designs, require limited customer certification resources, and are completely interchangeable to allow for maximum network flexibility while removing the worry of product obsolescence.

The HSPA910CF v2.0 CF Plug-In modem incorporates Telit's UE910 dual band module as its cellular heart. The unit operates in the GSM, GPRS, EDGE, UMTS, or HSPA+ bands, defaulting to the appropriate network. It is pin compatible with the full line of Janus Plug-In Terminal products.

The HSPA910CF v2.0 is the low cost HSPA+ communication modem of the Plug-In series. This 3.5G modem provides M2M communication over HSPA networks.

HSPA910CF v2.0 Features

- HSDPA 7.2D/5.76U Mbps
- Dual Band HSPA+
- GSM Dual Band 850, 1900 MHz
- GSM/GPRS/EDGE/UMTS/HSPA
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power
 - Class 4 (2W, 33 dBm) @ GSM 850
 - Class 1 (1W, 30 dBm) @ GSM 1900
 - Class 3 (0.25W, 24 dBm) @ UMTS
 - Class E2 (0.5W, 27 dBm) @ EDGE 850
 - Class E2 (0.4W, 26 dBm) @ EDGE 1900
- Dimensions: 2.5" x 1.4" x 0.325"
- Through hole for screw mount
- Operational temperature range: -40°C to 85°C
- Internal Switching Regulator:
 - Input Voltage Range: 4.75 to 5.25Vdc (5Vdc nominal)
 - Supply disable via terminal input pin
- SIM Card
 - Locking SIM card socket, Mini (2FF size) SIM
 - Or, optional SIM on a chip
- Cellular available via Hirose U.FL 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

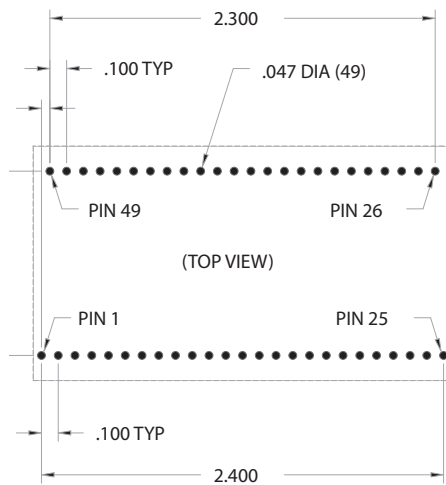
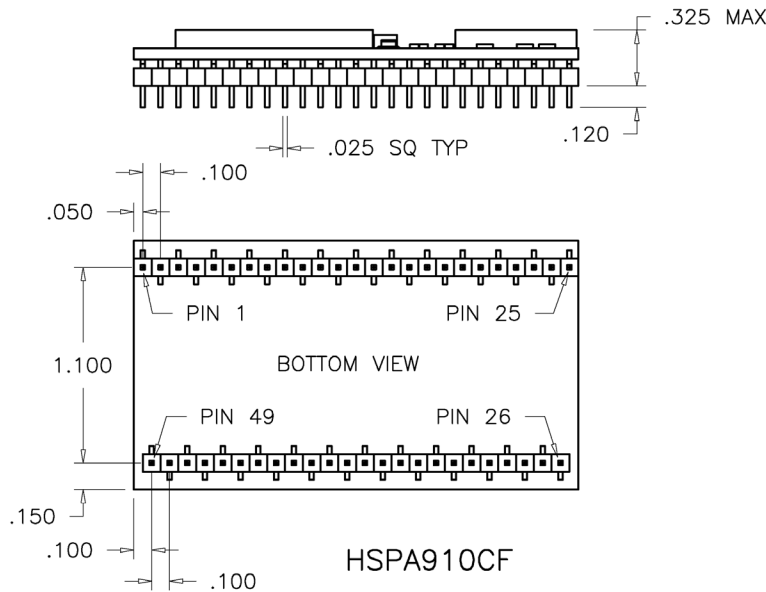
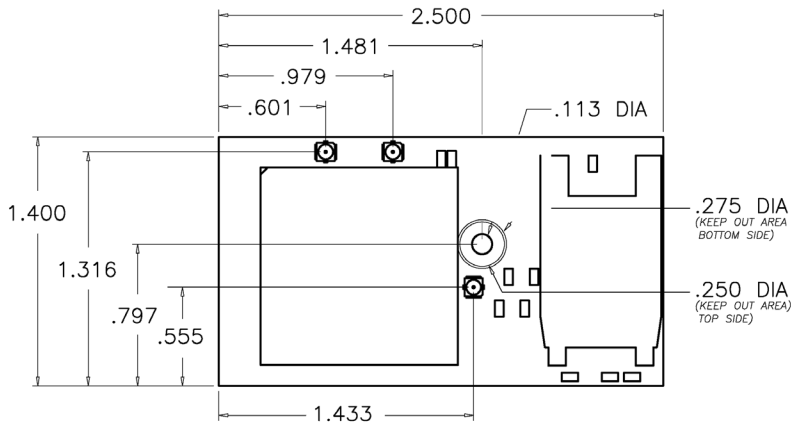
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Bulletin **JA03-PB_HSPA-v2**
Revision **P02**
Date **25 Aug 2016**



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HSPA910CF CF Plug-In Mechanical Drawings



Ordering Information

HSPA910CF	V200	T	A	U	V	N
Cellular Terminal HSPA+ HSPA910CF HSPA910XF	Carrier Certified & Version HSPA V200 = AT&T (certification pending)	Modem Provider T = Telit	Firmware A = Standard	Connector G for GSC U for U.FL	Voltage F = Fixed V = Variable <i>Note 1</i>	Config Options N = No Config P = Provisioning A = Activation S = SIM <i>Note 2</i>

Example: Part Number – HSPA910CFV200TAUVN = HSPA+ Cellular Plug-In Terminal; AT&T Certified (pending); Telit Modem; Standard Firmware with a U.FL Connector and a Variable Voltage with no configuration options.

Notes:

- The original Plug-In products have a fixed interface voltage of 2.85 V. The UART, TRACE, PWRMON, and GPIO pins 3-7 operate at an I/O interface level of 2.85 V. The DC bias on the GPS antenna is 2.85 V, and Vaux (pin 48) provides a 2.85 V source of up to 100mA when the cellular radio is enabled, e.g. when PWRMON is high. The new version allows the option of a variable (user specified) interface voltage. The former USB_ID pin 30 is now designated as VL_IN and serves as a reference to set the interface voltage. If this pin is left unconnected, the modules will behave the same as the original version and maintain the 2.85 V levels on the affected signals. If the user applies a voltage level to the VL_IN pin between 1.8 V and 5.0 V, then the affected signals will operate at that VL_IN voltage level. If an original 910CF board is used in a circuit design that supports the new VL_IN pin by applying a voltage to that pin, it will still operate at 2.85 V levels. If a new version board is used in a circuit designed to support the original board, it will behave identically to the original board with 2.85 V levels as long as there are no connections made to pin 30. If external circuitry is connected to pin 30, contact Janus to evaluate the design.
- 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

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See website for latest revision. Not intended for life support applications.