

JANUS REMOTE COMMUNICATIONS

CF Plug-In Series HSPA910CF Embedded 3G Cellular 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 v1.00 CF Plug-In modem incorporates Telit's HE910 penta-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 v1.00 is one of the HSPA+ communication modem of the Plug-In series. This 3.5G modem provides M2M communication over HSPA networks and the HSPA910CF v1.00 is AT&T Certified.

HSPA910CF Features

- HSDPA 21.0D/5.76U Mbps
- Penta-Band HSPA+
- GSM Quad Band 850, 900, 1800, 1900 MHz
- UMTS/HSPA Penta-Band 850, 900, 1700, 2100 MHz
- EGPRS / WCDMA / HSDPA / HSUPA
- TCP/IP stack access via AT commands
- SMS (MO / MT)
- Output power
 - Class 4 (2W, 33 dBm) @ GSM 850 / 900
 - Class 1 (1W, 30 dBm) @ GSM 1800 / 1900
 - Class 3 (0.25W, 24 dBm) @ UMTS
 - Class E2 (0.5W, 27 dBm) @ EDGE 850 / 900
 - Class E2 (0.4W, 26 dBm) @ EDGE 1800 / 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, Rx Diversity, and GPS available via Murata GSC miniature RF connector
- GPS
 - Stand alone GPS available at AT command interface
 - NMEA data
 - Dedicated GPS antenna connection with active antenna support



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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