

# JANUS REMOTE COMMUNICATIONS

## CF Plug-In Series WiFi1500CF WiFi Terminal Modem

### Description

The WiFi1500CF provides Wi-Fi connectivity and an optional GPS receiver in a footprint pin compatible with Janus Common Footprint (CF) Plug-In Terminal Modem products. It was specifically designed to provide customers with a cost effective product that is easily integrated into new and existing designs and is completely interchangeable to allow for maximum network flexibility while removing the worry of product obsolescence.

The WiFi1500CF incorporates an 802.11 b/g/n radio and supports 802.11i Personal and Enterprise security. It is compatible with the Terminus 400AP and T2 series products, or can be used in a custom based solution. The Wi-Fi radio supports both UART and SPI interfaces, and is easily configured via an AT type command set.

An optional high sensitivity GPS receiver is available with standard UART interface and PPS output.

### WiFi1500CF Features

#### General

- Dimensions: 2.75" x 1.4" x 0.475"
- Operational temperature range: -40°C to 85°C
- RoHS compliant

#### WiFi Radio:

- 802.11b/g/n compliant
- Security Protocols:
  - WEP
  - 802.11i WPA/WPA2 Personal Security (AES and TKIP)
  - Enterprise Security (EAP-FAST, EAP-TLS, EAP-TTLS, PEAP)
- Networking Protocols:
  - UDP, TCP/IP (IPv4)
  - DHCP, ARP, DNS, SSL, HTTP/HTTPS Client and Server

#### Interface

- UART to 921.6kbps
- SPI up to 3Mbps

- FCC Certified
- CE Compliant

#### GPS Receiver (optional)

- L1 band 48 channel receiver
- NMEA data, PPS output
- Time to First Fix (90% @ -130 dBm):
  - 1s Hot Start
  - <35s Cold Start
- Sensitivity:
  - Acquisition: -147 dBm
  - Navigation: -160 dBm
  - Tracking: -163 dBm
- 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

### Terminus Models & Ordering

Ordering	Description
WiFi1500CF v1.0	Wi-Fi CF Plug-In Modem - GPS enabled
WiFi1500CF v2.0	WiFi CF Plug-In Modem - without GPS
Additional Plug-In Products	
GSM865CF v1.1	GSM CF Plug-In Modem - GPS enabled
GSM865CF v2.0	GSM CF Plug-In Modem - without GPS
HSPA910CF v1.0	HSPA+ CF Plug-In Modem GPS Enabled AT&T Certified
CDMA910CF v2.0	CDMA CF Plug-In Modem - Sprint
v3.0	Modem - Verizon
v4.0	Modem - Aeris
EVDO910CF v3.0	EV-DO CF Plug-In Modem - Verizon
LTE910CF v1.0	LTE CF Plug-In Modem GPS Enabled AT&T
v2.0	Sprint
v3.0	Verizon



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Bulletin **JA03-PB\_WiFi**  
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