



FJ110-C CDMA TRACKER

The **FJ110-C** is a portable CDMA and GPS Wireless Modem reports location information via TCP, UDP or SMS with configurable intervals. It has three inputs, which can be used to detect sensors and two outputs. The FJ110-C has a UART to connect an external device for sending or receiving ASCII characters or other data.

KEY FEATURES

- **Modem & GPS Tracking:** Periodically sends GPS information (location and speed) to a server. Reporting interval and device/server setup can be updated or implemented using Over-The-Air programming commands via SMS or TCP/UDP.
- **Geofence***: Sends an alarm message to the server when device is entering or exiting a predefined area.
- **Backup Battery (optional):** With a backup battery, sends a tamper message if the main power supply wiring harness is disconnected.
- **Movement Threshold:** Reports speed and sends Message Alert when device has reached a movement threshold.
- **Mileage:** Reports distance that device has moved.
- **3-Axis Accelerometer:** With a built-in 3-axis Accelerometer, detects movement or impact. The g-profile is sent to server.



- **Message Storage:** Stores up to 2,000 messages if out of coverage and sends the messages once the device regains coverage.
- **Low Voltage Detection***: Switches to deep sleep mode, and can send a message if supply voltage drops below a threshold.
- **Power Saving Mode:** Periodically wakes up and then returns to sleep when inactive.
- **GPIO and UART:** Has 3 inputs and 2 outputs and/or UART configuration. The UART can be used to communicate with various kinds of sensors or signage.
- **OTA (Over-The-Air):** Firmware can be upgraded via TCP.

*Requires configuration/processing at server.



SPECIFICATIONS**

Physical and Electrical

Dimensions: 83mm *43.2mm *17.7mm

Weight: 48 grams

Input voltage range: 6-36VDC

Power Consumption:

Active mode 70mA @12VDC

Sleep mode < 6mA @12VDC

Operation temperature: -30°C to 80°C

Storage temperature: -40°C to 85°C

Cellular Communication

Dual Band: 850/1900MHz

1xRTT CDMA

Output Power: 850 23-30dBm
1900 23-30dBm

Protocol:

FTP/HTTP/HTTPS/SMTP/POP3/TCP/UDP/SMS

Comprehensive IOs

3 inputs and 2 outputs

1 A/D input and 1 UART

2 LEDs for GPS and Cellular status

USB2.0

Built-in Cellular and GPS antennas

GPS Specification

-162 dBm Tracking Sensitivity

Accuracy: +/- 2.5m CEP

**Specifications are estimates only - please verify the specifications using your local network conditions