The FJ130 is a portable 3G GPRS, GSM and GPS personal tracker that has an internal battery, a programmable button for panic, privacy and time/location stamp applications and is in a water-resistant (IP-65) case. It reports location information via TCP, UDP, or SMS with configurable intervals. The FJ130 is rechargeable and re-programmable via USB 2.0 or Over-The-Air (OTA).
Key Features

- **Push Button**: Programmable push button for personal tracking applications
- **IP65 Enclosure**: Sealed water resistant IP65 enclosure
- **Modem & GPS Tracking**: Wirelessly sends GPS information (location and speed) to a server via SMS or TCP/UDP. Reporting interval and device/server setup can be updated or implemented using Over-The-Air programming commands.
- **Mileage**: Reports distance traveled
- **3-Axis Accelerometer**: Detects movement and shock
- **Movement Threshold**: Reports speed and sends alerts when device has reached a movement threshold
- **Power Saving Mode**: Configurable wake up and sleep activity.
- **Low Voltage Detection**: Can send a message if supply voltage drops below a threshold and switches to deep sleep mode.
- **GPIO and UART**: 3 inputs, 2 outputs and USB available
- **Message Storage**: Stores up to 2,000 messages when out of coverage
- **Backup Battery (optional)**: With a backup battery, sends a tamper message if the main power supply wiring harness is disconnected
- **Geofence**: Sends an alert when device is entering or exiting a predefined area
- **OTA (Over-The-Air)**: Firmware can be upgraded via TCP

**Specifications**

**Physical and Electrical**
Dimensions: 74mm *42mm *20mm
Weight: 70 grams
Input voltage range: 3.3-4.5VDC
Power Consumption:
Active mode 85mA 3.8VDC
Sleep mode < 8mA 3.8VDC
Operation temperature: -25°C to 65°C
Storage temperature: -40°C to 85°C

**Cellular Communication**
Quad Band: GSM/GPRS
900/1800/850/1900MHz
GPRS, multi-slot class 12
Output Power:
GSM850/900: 2W (Class 4)
DCS1800/PCS1900: 1W (Class 1)

**Comprehensive IOs**
3 LEDs for power, GPS, and Cellular status
USB 2.0
3.3V-4.5V Battery Charging (3.8V nominal)
Built-in Cellular and GPS antennas

**GPS Specification**
-157 dBm Tracking Sensitivity
Accuracy (Open Sky) <2m (CEP50)

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