



Features

- Industry leading, very small form factor
- Works outdoors and indoors:
 - Inside buildings and elevators
 - Inside cargo and containers
 - Hidden on vehicles and valuable assets
- Multiple location and optional sensor reporting modes:
 - "Ping" on demand
 - Periodically on preset schedule
 - One rate while moving, another while stationary
 - Start and stop alerts
- Communicates with remote ZigBee-enabled wireless sensors to monitor temperature, light and humidity
- Wide range of external battery options
- inGeo™ platform extends battery life with "Low Duty Cycle" hibernation options
- Battery status on demand or on schedule
- Unit can be configured over-the-air remotely
- Flexible deployment scenarios include tracking packages, valuable assets, and personnel

'PILL BOTTLE' COVERT TRACKER

The FreightWatch Geo F2 Covert Tracker, powered by the Qualcomm inGeo™ platform, is a small, value-priced, location tracking and sensor monitoring device. Along with FSNtracks online "track and trace" service, the Geo F2 provides a complete solution for dedicated consumer and enterprise-class covert tracking applications. Based on gpsOne™ assisted location-position technology, the Geo F2 tracker operates in impaired environments with no clear view of the sky. Examples include inside buildings, embedded in high-value cargo, and hidden under suspect vehicles. Superior battery management sets the Geo F2 apart. The inGeo platform operates on Qualcomm's patented "Low Duty Cycle" technology which provides unique hibernation capability that produces best-in-class operation and standby time.



FreightWatch Geo F2 'Pill Bottle' Tracker

Specifications

Size

- (H) 2.5" x (W) 1.0" x (D) 0.625"
- (H) 64 x (W) 25 x (D) 16 mm

Weight

- 0.8 ounces/24.88 g (without battery)

Battery Capacity

- 1.4 Ahr Lithium-polymer rechargeable (pill bottle configuration)
- 4.0, 10.0 or 20.0 Ahr Lithium-ion (external carrying case recommended)
- Note: Remotely configurable
- Hibernation Mode saves power while stationary

Motion Detection

- Electronic 3D accelerometer enables motion dependent reporting rates and alerts
- Inferred motion status via FSNtracks

Interfaces

- Two LED indicators (battery & link status)
- Status/On/Off push button

Hardware Module

- Qualcomm QSC6055™



Geo F2i Tracker in Pill Bottle configuration

Specifications (cont.)

External Power Connectors

- Battery: 3.4 to 4.3 Volts
- 5 Volt external DC
- Optional vehicle power converter accessory (10-30 Volts stepped down to 5 Volts)

Interfaces

- 5 Volt digital
- Inter-integrated circuit (I²C)
- 4-20 mA current sensors
- Analog input sensor

Internal Antennas

- Integrated GPS and Cellular
- ZigBee® (optional)

Radio & Network Modes

- CDMA 2000
- US Cellular (800 MHz) and US PCS (1900 MHz)
- ISM ZigBee (2.45 GHz) (optional)
- SMS and TCP command and TCP/IP response (less prone to delays)

GPS Modes and Sensitivity

- Autonomous GPS (-152 dBm)
- User Plane MS-Assisted (-155 dBm)
- Control Plane MA-Assisted (-159 dBm)

Water Resistance & Environment

- Temperature
 - 20°C to +60°C (standard operation)
 - 40°C to +85°C (storage)
- Humidity
 - 0-35% (non-condensing)

Standards

- IS-95A/B
- IS-2000 (1X) Release 0 and Release A
- IS-637 (SMS)

Powered by Qualcomm inGeo™ Platform



Geo F2x Covert Tracker and
'Slap & Track' 1000 Magnetic Case

About FreightWatch Security Net (FSN)

FreightWatch Security Net (FSN), a FreightWatch Group company, combines wireless communications and machine-to-machine (M2M) engineering expertise in its "track and trace" devices that work where traditional GPS technology does not. FSN manufactured products and online services deliver real-time remote location and sensor data. Whether it is embedded cargo tracking, supply chain visibility, asset location assurance or covert surveillance, FreightWatch portable, battery-powered tracking solutions provide a reliable layer of security for a widening range of applications. FSN technology is the trusted choice of high value shippers, the transportation industry, corporate asset managers and law enforcement agencies alike. Founded in 2005, FreightWatch Security Net is based in Austin, Texas, and provides cross border tracking systems to its affiliates worldwide.