

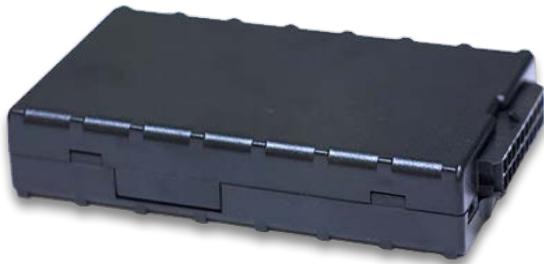


# Geo-Trax

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## Features >

- 60 Second Tracking Updates - \$19.95 per month (One SIM Global Coverage)
- Small – 3.5"L x 2.125"W x 0.625"H - ideal for advanced, discrete fleet tracking.
- Built-in 3 direction motion sense and tilt alerting.
- Multiple alert notifications by email or text message (geo-fences, speed, and more)
- 100% web-based | no software to install | accessible from anywhere.
- Hassle free hardware installation.
- 4 inputs and 4 outputs.
- 3 wire installation (power, ground and ignition)



# Geo-Trax

## Fleet Tracking

- Update Frequency: **60 second tracking updates**
- Typical Full-Power: **Current 70mA at 12 VDC.**
- GSM Channels: **850/1900 (United States) 900/1800 (Europe, Australia, Asia and Middle East).**
- Antenna: **Internal or external dual-mode GSM/GPRS + GPS.**
- Notifications: **Multiple alert options (geo-fences, speed, ignition, and much more) via text message or email.**
- Historical Playback: **180 days of historical data retention stored at server.**
- Reporting: **Individual vehicle or fleet-wide reports, start/stop report, excessive idling report and much more.**
- Diagnostics: **Blinking LED diagnostic messages.**
- Shock and Vibration: **US Military Standards 202G and 810F, SAEJ1455.**

# Specifications

# Geo-Trax

## GENERAL

**Communication Modes** GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS  
**Location Technology** 50 channel GPS  
**Operating Voltage** 12 and 24 volt vehicle systems

## GPS

**Location Technology** 50 channel GPS (with SBAS)  
 SBAS: WAAS, EGNOS, MSAS, GAGAN  
**Location Accuracy** 2.0 meter CEP (with SBAS)  
**Tracking Sensitivity** -162dBm  
**Acquisition Sensitivity** -147dBm  
**AGPS Capable**

## CELLULAR

**Data Support** SMS, GPRS, CDMA 1xRTT or HSPA packet data  
**GSM/GPRS Quad-Band** 850/900/1800/1900 MHz  
**GSM/GPRS Output Power** Class 4 (2 Watts) 850/900 bands  
 Class 1 (1 Watt) 1800/1900 bands  
**CDMA Dual-Band** 800/1900 MHz  
**CDMA Output Power** 800: +24 dBm  
 1900: +24 dBm  
**HSPA/UMTS Dual-Band** 900/2100 MHz (bands VIII, I) or  
 850/1900 MHz (bands V, II)  
 3GPP release 6  
 5.6 Mbps upload, 7.2 Mbps download  
**GSM/GPRS/EDGE Fallback** 850/900/1800/1900 quad-band  
 GPRS class 12, EDGE MCS1-MCS9

## COMPREHENSIVE I/O

**Digital Inputs** 1 fixed / 3 programmable bias  
**Digital Outputs** 4 open collector (150mA)  
**Analog Outputs** 1 external ADC / 1 internal VCC input monitor  
**Status LEDs** GPS and cellular

## CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

## ENVIRONMENTAL

**Temperature** -30° to +75° C (operating)  
 -40° to +85° C (storage)  
**Humidity** 95%RH @ 50° C non-condensing  
**Shock and Vibration** U.S. Military Standards 202G and 810F, SAE J1455  
**EMC/EMI** SAE J1113; FCC-Part 15B; Industry Canada  
**RoHS Compliant**

## ELECTRICAL

**Operating Voltage** 6-32 VDC  
**Power Consumption** 2 mA @ 12V (deep sleep)  
 10 mA @ 12V (sleep on network)  
 70 mA @ 12V (active standby)

## PHYSICAL

**Dimensions** 2.125 x 3.5 x 0.625", (54 x 89 x 16mm)  
**Weight** 2.6 oz. (74g)

## CONNECTORS, SIM ACCESS

**SIM Access** Internal

## MOUNTING

Standard tie-wrap or adhesive  
 Screw mount bracket

## KEY FEATURES

- GPRS/EDGE/HSPA and CDMA 1xRTT packet data, UDP and SMS
- Internal or external cellular and GPS antennas
- Super sensitive GPS (-162 dBm)
- Ultra-low power sleep mode (<1mA)
- 3-axis accelerometer for motion sense and tilt
- 4 inputs and 4 outputs
- Voltage monitoring and low battery notification
- 2,000 buffered messages
- 10 Built-in device geo-fences

## OPTIONAL FEATURES/FUNCTIONS

- Starter interrupt harness
- OBDII easy install harness
- External GPS and cellular antennas
- Internal GPS and cellular antennas
- External backup battery
- Serial cable

All specifications are typical and subject to change without notice

### About Track Alaska:

"Keeping Watch over the Last Frontier." A proven leader in wireless tracking solutions, Track Alaska deploys devices that enable clients to optimize their operations by collecting, monitoring, and efficiently reporting business critical data and desired intelligence from high-value remote vehicles, assets, and individuals.