

Geo-Trax^{IR}



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Features >

- 2-12 Hour Tracking Updates - \$14.95 per month ([One SIM Global Coverage](#))
- Small – 3.125”L x 2.5”W x .875”H - ideal for fleet tracking or powered and tethered asset tracking (normally tethered but idle for extended periods).
- Rugged, water resistant housing, solid state circuit - quality throughout.
- 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 - no batteries to replace.
- Ignition + 2 inputs and 1 output
- 3 wire installation (power, ground and ignition)



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Asset Tracking

- **Monitoring Plans: 2 to 12 hour tracking updates. Adjustable OTA. \$14.95 per month (One SIM Global Coverage)**
- **Typical Power: From 2 mA to 70mA current at 12 VDC.**
- **GSM Channels: 850/1900 (United States) 900/1800 (Europe, Australia, Asia and Middle East).**
- **Antenna: Internal dual-mode GSM/GPRS + GPS.**
- **Notifications: Motion detection, enter & exit perimeter, low battery, temp high & low and more, via text message or email.**
- **Data Retention: 180 days of historical data retention stored at server.**
- **Event Reporting: Heartbeat, main battery disconnect, vibration, motion, low battery, possible theft, and much more.**
- **Backup Battery: 1000mAh | 3 hour charge time.**
- **Diagnostics: Blinking LED diagnostic messages.**
- **Shock and Vibration: US Military Standards 202G and 810F, SAEJ1455.**
- **Enclosure: IP66 | Water-resistant.**

Specifications

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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

BATTERY PACK

Battery Capacity 1000 amp hour
Battery Operating Voltage 3.6 volts
Battery Technology Lithium ion

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 2 fixed bias
Digital Outputs 1 open collector (150mA)
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 3.125 x 2.5 x 0.875", (63.5 x 80 x 23mm)
Weight 3 oz. (85g)

CONNECTORS, SIM ACCESS

SIM Access Internal

MOUNTING

Standard tie-wrap or adhesive
 Screw mount bracket

KEY FEATURES

- 2 months with single message cycle per day on fully charged battery pack
- 1000 mah lithium ion re-chargeable battery pack
- IP66 sealed enclosure
- Packet data (GPRS, CDMA 1xRTT, or HSPA) and SMS-based messaging GPRS
- Internal GSM and GPS Antennas
- Super sensitive GPS (-162 dBm tracking)
- Ultra-low power safe mode (<1mA)
- 3 axis accelerometer for motion-sensing
- 2 inputs and 1 output
- Voltage monitoring and low battery notification
- 2,000 buffered messages
- 10 Device Integrated Geo-fences

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.

All specifications are typical and subject to change without notice