Geo-Trax *MICRO*

Multi-Functional MICRO GPS Tracking Device

- **Water Resistant**
- **Full Power Management**
- **Over 200 Days Standby Time with External Battery (Pro Version)**
- **I/O Interface to Connect Directly to Vehicles**

The Geo-TraxMICRO is a powerful multi-functional device designed for a myriad of GPS tracking and asset monitoring applications. From personal, pet, and vehicle tracking to monitoring of remote non-powered assets, the Geo-TraxMICRO does it all. With superior receiver sensitivity, fast TTFF (Time to First Fix) and Quad band GSM frequencies 850/900/1800/1900MHz, its location can be tracked live or periodically monitored and reported to EasyTracGPS' backend server. The Geo-TraxMICRO is configurable for 10 second GPS tracking updates, as well as to report "only when asked", or on a predetermined reporting schedule. A truly flexible and customizable wireless MICRO GPS tracking device. Event violation alerts and reports including - motion start/stop, geo-fence, low battery, speed violation, and more. Can also deploy with an integrated panic button.

Advantages:

- **Water resistant**
- **Quad band GSM/GPRS frequencies 850/900/1800/1900MHz**
- **Full-featured flexible tracking protocol**
- **Built in uBlox GPS chipset with -162dBm tracking sensitivity, -148dBm autonomous sensitivity for fast TTFF and accuracy**
- **Internal GSM and GPS Antennas**
- **MMCX type RF connector for external GPS antenna**
- **Low power consumption, over 200 days of operation with external battery pack (Pro Version).**
- **3-axis accelerometer for battery life and motion detection**
- **Full power mgmt: can be connected to external DC power source or battery.**

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EasyTracGPS

spec sheet

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GSM Specifications

Frequency	Quad band: 850/900/1800/1900MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900MHz) -Class 1 (1W @ 1800/1900MHz)
GPRS	GPRS multi-slot class 12 GPRS mobile station class B
RMS Phase Error	5 deg
Max Out RF Power	33.0dBm±2dBm
Dynamic Input Range	-15~-108dBm
Receiving Sensitivity	Class II RBER2%(-107dBm)
Stability Of Frequency	<2.5ppm
Max Frequency Error	±0.1ppm

GPS Specifications

GPS Chipset	uBlox All-In-One GPS receiver sensitive Fast and accurate sensitivity
Sensitivity	Autonomous: -148dBm Hot start: -160dBm Tracking: -162dBm
Position Accuracy	Autonomous: <2.5m SBAS: 2.0m
TTFF (Open Sky)	Cold start: 30s average Warm start: <30s Hot star: <1s

Interfaces

Digital Inputs	Two digital inputs One positive trigger for ignition detection One negative trigger input for normal use
Digital Output	One digital output, open drain, 150mA drive current max
Power Button	For power on and power off, can be disabled by the air interface protocol
Function Button	For SOS alarm or quick setting of Geo-Fence
Mini USB Interface	For external power and configuration
MMCX RF Connector	For external GPS antenna
Indicator LED	GSM, GPS and battery status

General Specifications

Dimensions	2.65 x 1.57 x .82" 5.06"L x 3.95"W x 2.43"H (device and case)
Weight	2.11oz. device/2.4lbs. enclosure
Battery	Li-Polymer 1300mAh Internal Battery
External	3.7V 10,000mAh rechargeable li-polymer
Standby Time	Without reporting: 400 Hours 5 minute reporting: 130 Hours 10 minute reporting: 150 Hours
Water Resistance	Follow the IPX5 standard
Charge Voltage	5V DC
External Battery Voltage	3.5V to 4.5V DC
Operating Temperature	-20°C~+55°C

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Timing Report	Report position follow the pre-set fix interval and report interval
Geo-Fence	5 Geo-Fence regions can be defined
Low Power Alarm	Alarm when internal battery is low
Power On Report	Report when the device is powered on
Power Off Report	Report when the device is powered off
Non-Movement Detection	Movement alarm based on built in 3-axis accelerometer
SOS/Emergency Alarm	SOS alarm when function key is pressed

About EasyTracGPS, Inc.

The eye in the sky is EasyTracGPS. "We Find Meaning Behind the Data." A proven leader in wireless tracking solutions, EasyTracGPS 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.

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