

Geo-Trax MICRO

Multi-Functional MICRO GPS Tracking Device



- Water Resistant
- Full Power Management
- Over 200 Days Standby Time with External Battery (Pro Version)
- Wireless GPS Tracking in 150+ Countries for Only \$19.95/month! ([One SIM](#))

The Geo-TraxMICRO is a powerful multi-functional device designed for a myriad of GPS fleet tracking and asset tracking 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 in near real-time or periodically monitored and reported to Track Alaska backend server. User's can ping the device on-demand, self-reboot the device, and change the tracking interval O.T.A. All this and more is at the fingertips of Track Alaska clients. 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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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	72 Channel uBlox All-In-One GPS receiver sensitive. Fast and accurate sensitivity.
Sensitivity	Autonomous: -147dBm Hot start: -155dBm Tracking: -162dBm
Position Accuracy	Autonomous: <2.5m SBAS: <2.0m
TTF (Open Sky)	Cold start: 30s average Warm start: <28s Hot start: <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	3.07 x 1.57 x 1.05" 5.06"L x 3.95"W x 2.43"H (device and case) 3.28oz. device/2.4lbs. enclosure
Weight	Li-Polymer 2600mAh Internal Battery
Battery	3.7V 10,000mAh rechargeable li-polymer
External Standby Time	Without reporting: 400 Hours 5 minute reporting: 130 Hours 10 minute reporting: 150 Hours
Water Resistance	IPX5 Compliant
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

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.