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.
### General Specifications

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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<tbody>
<tr>
<td>Dimensions</td>
<td>2.69 x 1.52 x .93”</td>
</tr>
<tr>
<td>Weight</td>
<td>2.11oz. device/2.4lbs. enclosure</td>
</tr>
<tr>
<td>Battery</td>
<td>Li-Polymer 1300mAh Internal Battery</td>
</tr>
<tr>
<td>External Battery</td>
<td>3.7V 13,200mAh rechargeable Li-polymer</td>
</tr>
<tr>
<td>Standby Time</td>
<td>- Without reporting: 400 Hours</td>
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<tr>
<td></td>
<td>5 minute reporting: 130 Hours</td>
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<tr>
<td></td>
<td>10 minute reporting: 150 Hours</td>
</tr>
<tr>
<td>Water</td>
<td>IPX5 Compliant</td>
</tr>
<tr>
<td>Charge Voltage</td>
<td>5V DC</td>
</tr>
<tr>
<td>External Battery Voltage</td>
<td>3.5V to 4.5V DC</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C~+55°C</td>
</tr>
</tbody>
</table>

### Air Interface Protocol

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

### 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**: For external power and configuration
- **MMCX RF**: For external GPS antenna
- **Connector**: For external power and configuration
- **Indicator LED**: GSM, GPS and battery status

### About EasyTracGPS, Inc.

The eye in the sky is EasyTracGPS. "Delivering Vital Insight Through GPS Tracking." 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.