

Picotrack Endurance Rechargeable

Robust rechargeable asset tracking device



The Picotrack Endurance Rechargeable is an asset tracking device with an IP67 grade housing used to reliably track large valuable assets (containers, swap bodies, freight wagons, large industrial assets...) at higher tracking intervals over a period of up to one year.

It includes also advanced features like GSM Tracking when GPS positioning is not possible.

Key Benefits

- Robust IP67 grade enclosure facilitates a deployment in challenging and varying environmental conditions
- High sensitivity integrated GSM and GPS antennas minimizes the installation effort
- Follow your assets for up to one year at higher tracking intervals
- Device configuration & communication via serial interface or remotely via SMS / GPRS
- Alternative positioning method based on GSM Tracking
- Made in Germany

Sample Applications

- Enable / improve supply chain visibility for your customers
- Security applications for monitoring / recovering logistics as well as large and long-life assets

Tracking of...

- Containers of various types
- Freight wagons without own power source
- Heavy duty equipment, e.g. construction / industrial
- Trailers & swap bodies
- Large industrial assets

The following table provides the estimated battery life of Picotrack Endurance Rechargeable depending on the number of messages transmitted per day.

The actual performance depends on a number of additional parameters, including operating temperature, frequency band over which data is transmitted, etc...

Messages / Day	Battery Life (Months)
10	12
15	9
20	8
25	7
30	6



Containers



Freight Waggon



Container Shipment



Mobile Industrial Equipment



Large Industrial Goods



Construction Machines

Cellular / GNSS

- GSM/GPRS: Quad Band
- Receiver Type: 56-channel GPS receiver
- GPS | GLONASS
- GPS Sensitivity (Tracking): -161 dBm
- Position Acquisition Time: Cold 29 sec; Hot 1 sec
- Position Accuracy: 2.5m (CEP)

Software (*)

- Software Download Over The Air (DOTA)
- Device Configuration: Serial Interface / SMS / GPRS
- Up to 50 rectangular geofence zones
- Roaming Network support
- Event-based wake-up: Timer and/or motion based
- Event-based reporting: Based on time, duration, distance, course change & more
- Message Storage Capacity: ~ 1200 messages
- Data transmission modes: GPRS & SMS
- 3-Level Watchdog System
- GSM Tracking: 1000 messages/month; transmission of latitude / longitude + accuracy

(*) Exemplary list of software features. Please contact us to learn how we can address your use cases with our extensive set of software features as well as hardware options.

Hardware Features

- Dust and water protected housing
- IP Protection Class: IP67
- Internal cellular & GNSS antennas
- Integrated 3D Accelerometer: Motion detection
- SIM Card Reader: Robust Reader (1.8/3V)
- Status Indicators: 3 LEDs (GSM; GPS; Battery)
- Various mounting options, including screw mount & magnet mount
- Type Approvals: CE

Power Management

- Battery Capacity: 13,8 Ah (LiPo, Rechargeable)
- Battery Safety compliant with IEC 62133 for operating temperature range
- Typical consumption in sleep Mode (internal battery): 70 μ A

Hardware Characteristics

- Dimensions: 230x130x30 mm
- Operating temperature: -20°C to + 60°C
- Recharging temperature: 0°C to +45°C
- Weight: ~550 g

Accessories

Please visit our website (www.telic.de) to download a complete list of accessories applicable to this product.

About Telic AG

Telic AG offers a wide range of products and development services, from the initial concept design all the way to the mass market production of customer specific solutions which are deployed in telematics, M2M and IoT applications.

Telic telematics devices are designed according to automotive and industrial standards and manufactured in Germany. Telic AG's telematics solutions are deployed on a worldwide basis in the transport and logistics, automotive and insurance sectors, and more generally in the sectors for machinery engineering products as well as in Industry 4.0 applications.

How to contact us

Telic AG
Raiffeisenallee 12b
82041 Oberhaching
Germany

Tel.: +49 89 231 279-800
Fax.: +49 89 231 279-880
Internet: www.telic.de

Please contact us via our website for a quotation or if you require more details about our products.

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