

Picotrack SafeDrive

Plug-and-Play vehicle tracking device



With its cigarette lighter adapter design, the Picotrack SafeDrive is perfectly suited for applications where the device needs to be rapidly installed into and removed from the vehicle.

Such applications include monitoring fleets of corporate vehicles, temporarily tracking subcontractors in the last mile of the supply chain, or keeping an eye on the whereabouts of delivery vehicles on large company campuses.

Advanced features such as insert and remove detection or the integrated button help fleet managers to identify any misuse of the device as well as to implement further applications such as start and end of business trips.

Key Benefits

- Rapid 'plug-and-play' installation of the device.
- Highly sensitive GPS, Glonass and Galileo receiver for usage also under difficult conditions, such as in urban canyons.
- Remove and insert detection to identify potential device misuse or start / end of vehicle tracking.
- Overvoltage and overcurrent protection ensure long device lifetime.
- Configurable button for diverse applications such as alarming or capturing data for driver logs.
- USB port to charge external devices such as smartphones.

Sample Applications

- Manage small to large fleets of leased corporate vehicles.
- Temporarily track subcontractor vehicles in the last mile of the supply chain.
- Temporarily track supplier vehicles on a large corporate campus.
- Driver's Log: monitoring private / business usage of vehicles.

Tracking of...

- Passenger cars.
- Small to large commercial vehicles with a standard cigarette lighter plug.



Fleet Management



Subcontractor Tracking



Taxi Fleet



Locating Suppliers On-Site



Private / Business Driving



Estimated Time of Arrival

Cellular / GNSS

- GSM/GPRS: Quad Band
- GPS | GLONASS | Galileo Receiver
- Concurrent GNSS
- GPS Sensitivity (Tracking): -167 dBm
- Position Acquisition Time: Cold 26 sec; Reacquisition 1 sec
- Position Accuracy: 2.0 m CEP

Software

- Software Download Over The Air (DOTA)
- Device Configuration and Data transmission modes: GPRS | SMS (via the Kentaur platform)
- Pre-configured APNs for all major European operators
- Event-based wake-up based on motion, power supply, insert detection
- Event-based reporting based on duration, distance, course change, power on/off, insert/remove detection
- Message Storage Capacity: ~ 2000 Messages
- 3-Level Watchdog System
- Mileage Counter

Hardware Interfaces

- USB: External USB-A for accessories charging (5V / 500 mA max.)

Data Access Interface

The Picotrack SafeDrive is fully compatible with the Application Enablement Platform 'Kentaur Cloud' (further details under www.kentaur-solutions.com). Device data and configurations are accessible via Web Services APIs.



Hardware Features

- Closed Unit Cigarette Lighter housing
- Integrated Cellular & GNSS Antennas
- Integrated 3D Accelerometer for motion detection
- Micro-SIM Card Holder (eSIM as option)
- Electronic Circuit Protection:
 - Reverse polarity, overcurrent and overvoltage protection for the cigarette lighter connector
 - Self-resetting fuse for the USB-A connector
- 1 LED Status Indicator (dual-color red/green; optional 2 additional LEDs available)
- Insert and Remove Detection
- Alarm Button
- Type Approvals: CE

Power Management

- External voltage range: 7V - 30V
- Battery Capacity: 300 mAh (LiPo)
- Battery Safety compliant with IEC 62133 for the extended operating temperature range
- Typical consumption in sleep Mode (external source): 1 mA @ 12V DC
- Typical consumption in sleep Mode (internal battery): 135 μ A

Hardware Characteristics

- Dimensions: 104x43x24 mm
- Operating temperature: -30 °C to +70 °C
- Recharging temperature: 0°C to +45°C
- Weight: 60g

About Telic AG

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

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