Picotrack Endurance

The extremely robust and autonomous GSM / GPS container and asset tracker with ultra-long battery life

Main benefits:

- Battery life more than 5 years
- Rechargeable version and primary cell version available
- Very robust and compact housing (LURAN® S-material, used e.g. for trucks, construction machines and industrial outdoor applications)
- Protected against weathering for over 10 years
- Integrated motion sensor
- Internal watchdogs for highly reliable operation
- Very high-sensitive GPS receiver for best tracking performance
- Easy installation due to integrated GSM/ GPRS and GPS antenna
- SMS and GPRS communication (TCP/IP or UDP/IP)
- Software download over the air (DOTA)
- All parameters remotely configurable

Picotrack Endurance	
Rechargeable version	**Primary cell version**
- Battery life time before recharging approx. 1 year with 10-15 transmissions per day*	- Battery life time more than 5 years with 2-3 transmissions per day*
- Up to 5000 events* within 1 year	- Up to 9000 events*
- IP67 protected	- IP69k protected

* under good GSM/ GPS conditions and in Central European climate

Typical Applications	
- Trailers	- Containers
- Swap bodies	- Waggons
- Construction machines	- Assets

Options to save energy and to extend battery life:

- Time-dependent wake-up cycles (e.g. tracking every morning at 6 AM)
- Motion-dependent sleep mode
- Bundling of messages
- Sleep mode while moving

Technical Parameters:

- **GSM/ GPRS communication and GPS tracking**
- **Connection via TCP/ IP, UDP/ IP (GPRS-based)**
- **Very large internal ceramic GPS patch antenna for increased GPS sensitivity**
- **Sleep modes (time or motion)**
- **Software update over the air (DOTA) via simple FTP**
- **Internal multi-level watchdog**

Power Supply:

- **Two variants available:**
  - **With primary cell**
  - **With rechargeable battery**
- **Battery capacity:**
  - **Primary cell: 14 Ah**
  - **Rechargeable LiPo battery: 13.8 Ah**

Size, Temperature Range, Certificates:

- **Size: 230 x 130 x 30 mm**
- **Weight: 550 g**
- **Operating temperature:**
  - **Primary cell version: -20°C to + 75°C**
  - **Rechargeable version: -20°C to + 65°C**
- **Recharging temperature: 0°C to 45°C**
- **CE approval**
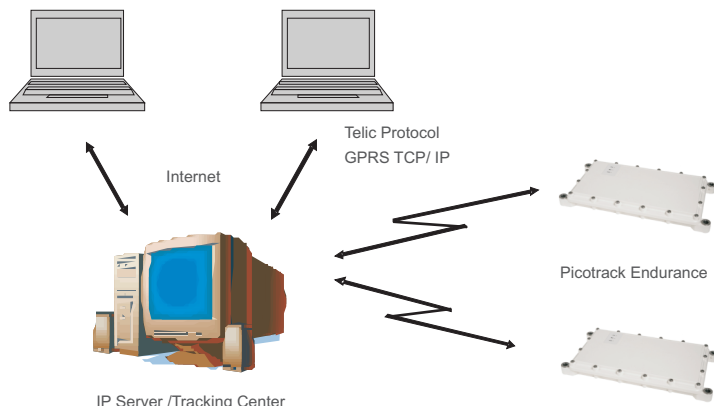- **Made in Germany**

Special Versions for Projects available with:

- **External antennas**
- **Additional I/Os**
- **Interfaces for sensors (e.g. 1-wire)**
- **UMTS**

Use of Picotrack for Telematics Services

Telic protocol integration:
Telic discloses the communication protocol to customers who develop their own control center software. Under NDA Telic provides all information to integrate Telic products into the telematics solution. Telic's technical support will be assisting with the integration, if requested.

Internet

Telic Protocol
GPRS TCP/ IP

Picotrack Endurance

IP Server /Tracking Center

Use of existing control center solutions from Telic partners:

Telic works together with multiple telematics service providers which have successfully integrated the Telic protocol. Depending on the required telematics service (e.g. fleet management, asset tracking, personal tracking, etc.), we can find the right partner for you and your needs.

Telic Product Portfolio

- **Picotrack** is a very small and compact GSM/ GPS tracking and alarming device for security applications as well as tracking of people and assets.

- **SBC3** is a telematics device for demanding fleet management applications, which require features such as CAN-bus, 1-wire, RS232 etc. It features a remarkably robust enclosure.

- **PBC** is the professional GSM/ GPS tracking unit for fleet management with a wide range of I/Os, CAN bus and unique voltage range.

- **STD32 and STD35** are the cost-efficient platform for telemetry applications, providing a ready-to-start hardware and an integrated web server.

About Telic

Telic is a leading German supplier of telematics and telemetry products. Based on the core technologies GSM and GPS, Telic develops and manufactures high quality products, designed to be used in industrial and automotive environment. Telic's strong partnership with GSM and GPS module manufacturers secures the competitive edge in GPS, GPRS and UMTS technologies.
By using a platform concept, Telic is able to react flexibly and fast to customers' requirements. This leads to cost efficient solutions for system integrators and solution providers.

How to contact us

  Note: Specification is subject to change without prior notice.

MADE IN GERMANY