

SBC-AVL

Telematics devices for common fleet management applications



The SBC-AVL is a feature packed telematics device which can address a broad range of Fleet Management and AVL applications. Its compact size, low power consumption, high quality and easy installation are key characteristics which make it an attractive choice for Telematics Service Providers.

Key Benefits

- Extremely compact size enables fitting anywhere in the vehicle.
- Very easy installation, also facilitated by integrated antenna design.
- Leading-edge low power consumption in sleep mode minimizes impact on the vehicle's battery.
- Wide range of software features which enable most common fleet management applications.

Sample Applications

- Fleet management applications for small to large commercial vehicles.
- Stolen Vehicle Recovery (SVR).
- AVL (Automatic Vehicle Location) for fleets of rental cars, buses & coaches, taxis, etc...

Tracking of...

- Small to large commercial vehicles.
- Fleets of taxis, rental cars, ...
- Public transportation vehicles.

Cellular / GNSS:

- GSM/ GPRS: Quad Band
- GPS Sensitivity (Tracking): -165 dBm
- Tracking/ Acquisition Channels: 22 / 66
- Acquisition Time: Cold ~ 31 sec; Warm ~ 31 sec, Hot 1 sec

Hardware Features

- Housing: Small & compact design
- Integrated GSM/ GPS antenna
- Integrated motion sensor
- Robust SIM card reader (1,8/ 3V)
- Status Indicator with LEDs

Hardware Interfaces

- Inputs / Outputs: 2 digital inputs; 1 analog input
- Serial interface: USB 2.0: Configure & Trace

Software

- Data transmission modes: GPRS & SMS
- Device Configuration: via USB or remotely via GPRS / SMS
- Geofencing: Up to 50 configurable
- Message storage capacity: 800 to 1000 (configuration dependent)
- Preferred GSM Providers List
- Various sleep modes, including timer and/ or motion based
- 3-Level Watchdog System
- Software Download Over The Air (DOTA)
- Diagnostics App for Android smartphones

Power Supply

- External voltage range: 7V – 32V
- Power supply using Micro USB: For configuration only

Power Consumption

- Typical consumption in sleep Mode (@12V) – external source: ≤ 0,5 mA

Hardware Characteristics

- Dimension: 74 x 49 x 20 mm
- Operating temperature: -30°C to +75°C
- Weight: 32 g

Certificates

- e1

Fleet Management



Vehicle Telematics



Taxi Fleet



Stolen Vehicle Recovery



Rental Cars



Public Transportation

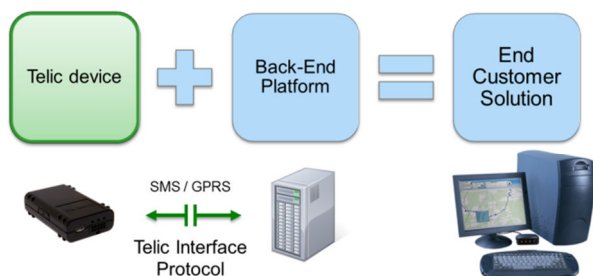


Telic Devices for Telematics Services

Telic protocol integration

Telic's telematics units and tracking devices are targeted towards systems integrators that develop complete end-to-end telematics solutions.

Telic discloses the communication protocol implemented in these devices under NDA and provides all information required to integrate Telic products into the end-to-end telematics solution. Telic's technical support team can also assist with the integration, if requested.



Custom product development

In addition to providing a portfolio of hardware products addressing key segments of the telematics market, Telic can also rapidly address special customer requirements relating both to hardware and software capabilities of the products. Please contact your sales representative or our headquarters to discuss your requirements.

Telic Product Portfolio

Telematics Devices for Professional Vehicles:

Telic's portfolio of telematics devices for professional (commercial or off-road) vehicles provides a wide range of features which are critical for fleet management applications, including positioning, CAN bus, 1-wire and serial interface related data.

Telic employs also a flexible software framework which enables system integrators to spend significantly less effort to integrate external vehicle components into their end-to-end telematics solution than with comparable solutions in the market.

Devices for Asset Tracking:

The asset tracking product portfolio provides a complete range of devices that enables Telematics as well as Logistics Service Providers to track both the shipment of valuable items throughout the supply chain as well as assets used for the transportation of goods, such as containers or freight wagons.

The Picotrack family of asset tracking devices enables applications focused on improving product shipment security as well as supply chain visibility.

Telic Accessories

Please visit our website (<http://en.telic.de/>) to download a complete list of accessories applicable to this product.

About Telic

Telic GmbH, based in Germany, develops and markets telematics and telemetry products on a worldwide basis. The telematics products are deployed in a B2B context for professional vehicles (e.g. trucks, construction and agricultural vehicles), for asset tracking as well as for applications used in the insurance industry.

These products are based on leading mobile network standards like GSM and Global Navigation Satellite Systems (GNSS) technologies such as GPS and GLONASS. Telic specializes in supporting providers of tracking centres and Telematics Service Providers (TSPs) with the integration of Telic Products into their tracking or M2M solutions.

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