



## PRODUCT OVERVIEW

BOLERO-LT2 is a free configurable smart tracking device which can be fully adapted to user requirements. Its main purpose is to act as a mobile client for various system solutions like AVL, fleet management, vehicle security and recovery.

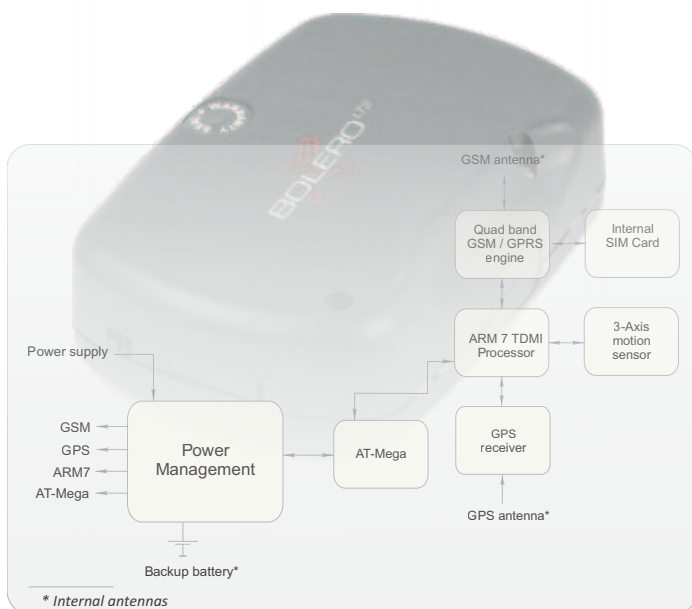
It can be adapted to existing tracking solutions and can be easily configured to gather or exchange relevant information with servers or users directly. An often used example is to send status reports or verbose alert messages directly via SMS to users and/or via TCP to tracking servers. Drivers logbook and data logging functionalities are combined in the history feature.

Geofencing can be used to report violations of predefined routes or areas (for example if a car enters or leaves a specific Area/Geofence).

All of these features are perfectly integrated in a device concept which significantly reduces time-to-market and provides low cost tracking and security solutions.



## BOLERO-LT2 BLOCK DIAGRAM



- GSM/GPRS technology for 2-way communication
- Latest GPS technology for positioning
- Compact, low-cost and light-weight unit
- Delivers high performance and very flexible applications
- Customized firmware configuration
- Different communication channels
- 3-axis motion sensor for detecting movements of assets
- Wide variety of events and states for sending reports
- Allows to create customized protocols
- Data-Logger functionality
- Powered from vehicle main battery
- Backup battery to back up the main power supply
- Custom housing and packaging design possible
- Internal GSM/GPS antennas
- E1/CE approved

## FIRMWARE FEATURES

- Embedded TCP/IP stack for client-server application
- FALCOM protocols: IOP, GSM, AREA, 3DP, BIN
- Supports SMS, CSD
- Locally and remotely firmware update
- Multi power-saving modes and wake up conditions
- 20 programmable Timers, Triggers, Counters
- 100 programmable Geofences and 32 Areas
- 2000 waypoints for accurate route management
- Programmable Geo-fencing and Parking alerts
- Detect changes of digital inputs
- Forward messages from one channel to another
- Customized reports, sending intervals
- Report by distance, time, bearing and on demand
- Drivers Logbook / History / Trip management
- Locally/Remotely accessible via FAL-Commands
- Device configuration via Serial port, TCP and SMS
- Intelligent and flexible configuration alarms
- Connection with external alarm systems

## APPLICATIONS

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## TECHNICAL SPECIFICATION

### General

Quad-Band GSM/GPRS engine  
 GSM frequency bands: 850/900/800/1900 MHz  
 GPRS class 10, Class B

### Physical characteristics

Dimensions (LxWxH): 55 mm x 56 mm x 24 mm  
 Weight: ca. 90 g

50 channel GPS engine

A-GPS ofline / Autonomous

Protocols: NMEA, FALCOM (binary)

Accuracy:

Acquisition:

Sensitivity Tracking: -16 dBm

Cold starts: -14 dBm

GPS Operational limits:

Velocity: 500 m/s (972 knots)

Altitude: 50.000 m

### Interfaces

1 x Digital input (Ignition)

4 x LED indicators free-programmable

1 x Button free-programmable

Inside SIM card holder for 1,8/3 V SIM cards

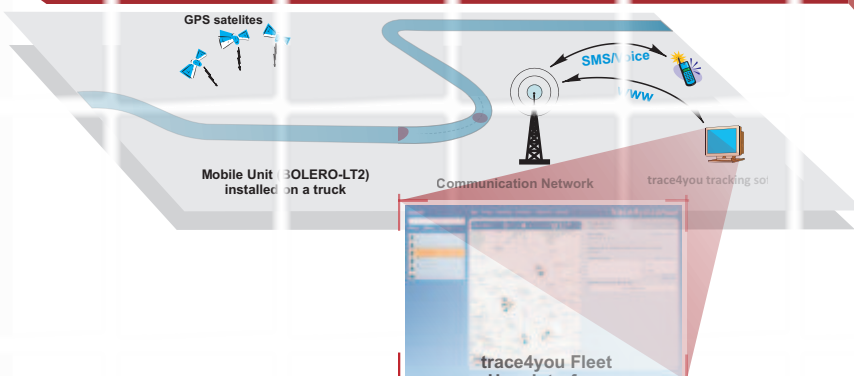
### Electrical characteristics

Power supply: +10,8 V to +32 V DC

Li-Polymer 1000 mAh rechargeable battery<sup>1)\*</sup>

### Environmental data

## trace4you - online tracking server



## CONTACT

