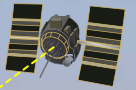
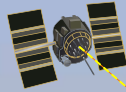


FOX LITE[®]

AUTOMATIC VEHICLE LOCATION SYSTEM



- Real-time locating, tracking and mapping using PC, or mobile phone
- Automatic monitoring and reporting of important events and vehicle status
- History of vehicle routes



Main functions

- Satellite vehicle locating, tracking and mapping in real-time
- Automatic monitoring of vehicle statuses and important events, and reporting by GPRS and SMS
- Immediate alarming about critical status and emergency

Functional characteristics

- Satellite vehicle monitoring by GPS
- Reporting of vehicle statuses: ignition, stop, engine RPM, fuel level, vehicle accumulator voltage level, door opened/closed, vehicle 'built-in' alarm indications, excessive speed
- Configurable intelligent algorithm for GPS data transfer
- Instant data transfer on vehicle position and status on user request
- Vehicle monitoring within or outside defined regions or routes (Geo-fencing)
- History mode (data logging)
- Configurable access and reporting level
- Two Power Save modes, with vehicle accumulator protection when voltage is lower than 11 V
- Possibility of connection with external alarm system
- Engine/ignition blocking with remote command (SMS or GPRS)
- Separate setting of sending parameters for data transfer in local and roaming networks
- Automatic choice of most competitive accessible GSM roaming networks
- Navigation option by external PC, Laptop or PDA
- Device parameters configuration via Serial port, GPRS and SMS
- Remote commanding and firmware change



Fox Lite is AVL (Automatic Vehicle Location) system enabling satellite vehicle monitoring and supervision of its status, i.e. defined parameters, measurement and detection of important events.

Vehicle data are transferred through mobile telecommunication network (GSM/GPRS) and Internet enabling the user to control his vehicles everywhere. It is designed for private or professional use, for monitoring of only one vehicle or the whole fleet of vehicles. Monitoring is performed by mobile phone or computer connected to Internet. Device configuration can be done remotely through GPRS service, SMS messages, or Serial port. Expenses optimization of GPRS traffic is achieved by double adjustment of parameters for data transfer in local network and roaming. GSM network choice in roaming is provided automatically as per provider lists and their tariffs defined in advance.

Vehicles monitoring by mobile phones

Mobile phone supporting GPRS can be used for vehicles monitoring. On client request, Fox Lite sends data on vehicle position and status, i.e. important events, like ignition, RPM, fuel level, doors opening or other events determined by the user himself. Vehicle position is shown on a map on mobile phone display. Beside data on request, Fox Lite automatically sends warning on irregular situations defined by user, like over speeding, to many RPM or alarm activation.

Vehicles monitoring by computer

In this case client can monitor his vehicle through Internet. The system enables to user to monitor position and speed of the vehicle, its route, vehicle status and various events as well as to get all sorts of reports on the route and status of the vehicle. On registration the user gets user name and password for access to user web application.

Technical specification

GSM/GPRS module	Quad Band - GSM 850/900/1800/1900 MHz, GPRS Multislot Class 12
GPS module	SiRFstarIII
Hot start	1s
Cold start (open sky)	42 s (average)
Tracking sensitivity	-159 dBm
Position/speed accuracy	5 m, 2D RMS
Power supply	11 V DC - 40 V DC, over and under voltage protection
Back up battery	Li-Ion, 3.7 V / 750 mAh
Working temperature	-20°C to +65°C
Dimensions (WxDxH)	86 x 76 x 24 mm
Weight	95 gr

• 6 Multifunctional inputs/outputs

- 2 digital outputs or general purpose digital inputs
- Analogue input for fuel level measurement in the tank or general purpose digital input
- Digital impulse input for RPM measurement or general purpose digital input
- Input for ignition detection
- External alarm device input or general purpose digital input

• Serial port

- Device parameters set up and firmware update
- Data log read
- GPS data output for external device (PC, PDA...)

• Low power consumption

- Peak power consumption 500 mA (@12VDC)
- Average power consumption 50 mA (@12VDC)
- Minimal power consumption 10 mA (@12VDC), in power save mode
- Vehicle accumulator protection (when accumulator voltage is < 11V, power consumption is < 500uA)

