FOX *easy*

AUTOMATIC VEHICLE LOCATION DEVICE

Fox Easy is AVL (Automatic Vehicle Location) device for determining and transmitting geographic location of a vehicle. It is a technologically advanced device with top quality GPS/GLONASS module capable of tracking vehicles via satellite positioning systems. It enables supervision of vehicle statuses, defined parameters, measurements and detection of important events.

Fox Easy is small-form device packed in a case that is ideal for size-constrained applications. It comes with GPS and GSM antennas integrated and it is very easy to install and manage. It has built-in accelerometer for waking the device up from sleep mode when detects movement. The device also features low power consumption and various power connectivity options.

The data between the device and PC or mobile phone are transferred through mobile network. Double set of parameters for local network and roaming optimizes GPRS data traffic.

The device can be powered via OBD II connector – in that way it can be placed on the instrument board of the vehicle without any assistance from the technician for the installation. The connector is available on request. There is also another way to connect the device via special connector and for such installation technician's assistance is required.

ADVANCED VEHICLE LOCATION &TRACKING

- Cost-effective solution for vehicle locating and tracking using PC or mobile phone
- Automatic monitoring and reporting of important events and vehicle statuses
- Set of advanced features

FOX east

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 statuses and emergency

Functional characteristics

- Satellite vehicle monitoring using GPS/GLONASS,
- Configurable smart algorithm for position data sending,
- Instant data transfer on vehicle position and statuses on user request,
- Sending events in real time, or logging and sending data at predefined time period or at predefined time of the day,
- Logger capacity about 10.000 records,
- SMS alert,
- Binary and XML protocol
- Backup server IP address,
- Calculation of distance traveled by vehicle and sending this information together with position data,
- Calculation of vehicle maximum speed,
- Shock/acceleration sensor. In power save mode, shock/acceleration sensor detects mechanical shock and wakes up device from power save mode. In normal operation mode it detects vehicle crash event
- Vehicle position monitoring from the time of vehicle movement detection that are not running, for example in the case of vehicle transfer by "spider" because of the improper parking,
- Smart phonebook with special functions of some numbers,
- Remote device parameters setup, device management, debug and firmware update ability (OTA),
- Parameter (device configuration) backup in SIM card memory,
- Power supply via OBD II interface (option),
- Advanced power save function.

Technical specifications

Processor	ARM Cortex-M3
Operating system	Real time operating system
GSM/GPRS module	Quad Band - GSM 850/900/1800/1900 MHz, GPRS Multi-slot class 10, SIM slot: micro SIM (3FF)
GPS/GLONASS module	Sierra Wireless
Channels	52
Hot start	1sec
Cold start (open sky)	<34.3 sec
Tracking sensitivity	-161 dBm (GPS), -158 dBm (GLONASS)
Power supply	9-36VDC, reverse polarity, over and under voltage protection
Operating temperature	-40°C to +85°C
Dimensions (LxWxH)	75 x 55 x 22 mm
Weight	78 g
Low power consumption @12VDC	– Typical (GPS ON, GSM ON): 30 mA – Sleep (GPS OFF, GSM wake-up on SMS or call): 3 mA – Hibernation (GPS OFF, GSM OFF): 0.45 mA – Vehicle accumulator protection mode (when accumulator voltage is lower then the value specified by low voltage protection parameter) 0.45 mA

QMS　　 CE 　certified