



Advanced Vehicle Tracking Device

The iWatcher LITE is a versatile and cost-effective GSM/GPS cellular monitoring unit which provides online tracking capabilities for cars, trucks and motorbikes.

The unit utilizes a Global Positioning System (GPS) to lock on vehicles' coordinates and uses the GSM cellular network for controlling and monitoring the vehicle status by SMS and GPRS communication channels. The unit also incorporates flexible I/O signals.

The iWatcher LITE provides essential features applicable for most Automated Vehicle Locating (AVL) solutions, such as tracking and retrieval of stolen vehicles, fleet management and other emergency and security applications.

The systems meet strict automotive standards for durability, power consumption and working temperatures.

The iWatcher LITE supports a wide variety of reports including emergency, geo-fencing, speed, low battery, battery cut-off, Ignition status (on/off) and vehicle status (driving, parking).

Benefits

- Real time tracking
- Offers fleet management and control application MABAT On-Line
- Provides alerts on speeding, low battery and battery cut-off
- Low power consumption, long standby time with internal battery
- Incorporates I/O interfaces for monitoring and control

▶ **Inputs:**
Digital sensor
Ignition Switch



Technical Specifications

GSM

- 2G USA version: bands 850 / 1900 MHz
- 2G EUR version: bands 900 / 1800 MHz
- GPRS multi-slot class 12, 4G multi-slot class 33
- Internal antenna - 50 Ohm onboard
- Integrated SIM card holder

GNSS

- Internal GPS Module based on 33-channel engine
- GPS, GLONASS
- SBAS: WAAS, EGNOS, MSAS, GAGAN
- Accuracy GPS / GLONASS position of 2.5 m CEP
- Tracking: -167 dBm
- GPS internal antenna

Interfaces

- 2 digital inputs - ignition on/off plus additional
- digital input (e.g. alarm siren, alarm lights).

Electrical characteristics

- Operating Voltage 12 – 24 V DC

Power Consumption

- Backup battery - Li-ion 3.7 v/250 mAh

Communication Modes

- SMS /GPRS

Communication redundancy

- SMS backup - optional

Miscellaneous

- Onboard Status led
- Over speed, Vehicle battery cut-off and low power level - alerts

Operating temperature

- -30°C to +85°C

Dimensions

- Length 54 mm | Width 42 mm | Height 24 mm

Weight

- 53 gr (without cable)

Enclosure

- Nonflammable PC-ABS

Accessories - optional

- Digital temperature sensors
- Digital fuel sensor

Features



Speeding alerts



Battery cut-off



Low battery level



Fleet Management & Control Application



Temperature sensor - optional



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