

**iWATC<sup>HER</sup>** made by SPETROTEC  
OBD

## Vehicle Tracking, Diagnostic and Driver Behavior Device

iWatcher OBD is a fleet management solution plus full OBD II support, which provides advance online vehicle tracking, driver behavior and vehicle diagnostic.

Utilizes the Global Positioning System (GPS) to lock on vehicles coordinates and use the GSM cellular network for controlling and monitoring the vehicle status by SMS, GPRS or 3G communication channels. The iWatcher OBD can be installed in matter of seconds which substantially reduces the high cost of installation.

Designed to meet strict automotive CE, FCC and E standards for durability, power consumption and working temperatures.

iWatcher OBD supports a wide variety of reports including emergency, geo-fence, tilt, tow, low battery, battery cut-off, Ignition status (on/off), vehicle status (driving, parking), scheduled GPS position and addition data from the vehicle, such as: speed, RPM, fuel level, temperature.

### Benefits:

- Real-time vehicle tracking, including real-time driver behavior
- Small and easy plug-and-play installation
- Fleet management and control application (MABAT online)
- Wide range of available service data from the vehicle (OBD II), such as: speed, RPM, fuel level and temperature
- Alerts on accidents, over speeding, towing, tilt, low battery and battery cut-off
- DTC alerts from the vehicle
- Low power consumption, long standby time with internal battery
- Alerts sent to 3 cellular phones
- FOTA (Firmware Over The Air) update



# Technical Specifications

## GSM

- 2G USA version: bands 850 / 1900 MHz
- 2G EUR version: bands 900 / 1800 MHz
- 3G USA version: bands 850 / 1900 MHz
- 3G EUR version: bands 900 / 1800 MHz
- GPRS multi- slot Class 10/8
- Internal antenna - 50 Ohm onboard
- Integrated SIM card holder

## GNSS

- Internal GPS Module based on 56-channel (U-Blox) Max 7 Engine
- GPS/QZSS L1 C/A, GLONASS L1 FDMA
- SBAS: WAAS, EGNOS, MSAS
- Accuracy GPS / GLONASS Position 2.5 m CEP / 4.0 m
- SBAS 2.0 m CEP
- Tracking: -162 dBm / -158 dBm
- Internal GPS/GLONASS antenna

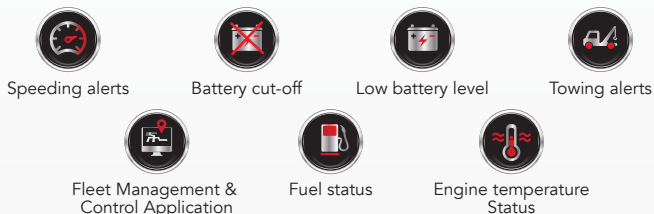
## Interfaces

- OBD II connection through original connector
- Basic data collection by OBD II (depend on vehicle type): speed, RPM, fuel level, engine temperature
- 2.4 GHz wireless or BLE communication - optional

## Electrical characteristics

- Operating voltage 12 – 24 V DC
- Sleep mode < 2 mA
- Backup battery - Li-ion 3.7 v/250 mAh

## Features



## Communication Modes

- SMS /GPRS/3G (on standby or full operation mode)
- TCP/IP

## Communication redundancy

- SMS backup
- Data logger backup

## Miscellaneous

- Onboard status led
- Built in 3D G sensor - tow and tilt
- Driver behavior
- Jamming detector - optional
- Over speed, vehicle battery cut-off and low power level

## Operating temperature

- (-30°C to +85°C)

## Dimensions

- Length 55mm | Width 45mm | Height 25mm

## Weight

- 52 gr

## Enclosure

- Nonflammable PC-ABS

## Accessories - optional

- RFID Proximity card for driver identification



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