



## LTE OBDII GNSS Tracker

# OBD TRACKER

### PRODUCT DESCRIPTION

The OBD Tracker is a new OBD tracker for corporate cars, usage-based Insurance, fleet management, and individual cars which can obtain vehicle data such as VIN code, engine speed, water temperature, accumulated mileage, etc. With the UBI-based algorithm for driving behavior analysis, the OBD Tracker can accurately analyze any of 4 kinds of dangerous driving behavior and support the all-round monitoring of vehicles' real-time status.



### APPLICATIONS

- Fleet Management
- Usage-based Insurance
- Vehicle

### FEATURES

- LTE & GSM Network
- On-Board Diagnostics
- GPS & BDS Positioning
- Driving Behavior Analysis
- Multiple Alerts
- Effortless Installation

## TECHNICAL DATA

### POSITIONING & LOCATION

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| Technology              | GPS, GLONASS, BDS, GALILEO, AGPS, LBS            |
| Accuracy                | <2.5m CEP                                        |
| Tracking Sensitivity    | -165dBm                                          |
| Acquisition Sensitivity | -148dBm (cold),<br>-156dBm (hot)                 |
| TIFF (open sky)         | Avg. hot start < 2sec;<br>AVg. cold start <38sec |

### CELLULAR

|            |                                                                  |
|------------|------------------------------------------------------------------|
| Technology | 4G Cat1, 2G (GSM)                                                |
| Frequency  | LTE-FDD:<br>B2/B3/B4/B6/B7/B8/B28/B66<br><br>GSM:<br>B2/B3/B5/B8 |

### POWER

|                   |               |
|-------------------|---------------|
| Battery           | 50mAh / 3.7V  |
| Input Voltage     | 9-33 VDC      |
| Power Consumption | Standby: <5mA |

### OPERATING ENVIRONMENT

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | -20°C up to +70°C            |
| Operating Humidity    | 5% up to 95%, non-condensing |
| IP Rating             | n/A                          |

### PHYSICAL SPECIFICATIONS

|            |                      |
|------------|----------------------|
| Dimensions | 61.0 x 52.0 x 26.0mm |
| Weight     | 55g                  |

### INTERFACE

|                   |                       |
|-------------------|-----------------------|
| LED Indication    | Status (Blue)         |
| SIM               | Nano-SIM              |
| Digital I/Os      | N/A                   |
| Analog I/Os       | N/A                   |
| Voltage Detection | 0-33 V (±0.3V)        |
| Memory Capacity   | 1000 GPS Data Entries |
| USB               | Micro USB             |
| GNSS Antenna      | Internal              |
| Bluetooth Antenna | Internal              |
| Serial Ports      | N/A                   |

### OBD PORT

|               |                                                                                                                                                                                                                                                                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conection     | OBDII Port                                                                                                                                                                                                                                                                                                                                                                   |
| Data          | K-Line, Can Bus                                                                                                                                                                                                                                                                                                                                                              |
| OBD Protocols | ISO 9141-2 (5 baud init, 10.4 kbaud)<br>ISO 14230-4 KWP (5 baud init, 10.4 kbaud)<br>ISO 14230-4 KWP (fast init, 10.4 kbaud)<br>ISO 15765-4 CAN (11 bit IQ 250 kbaud)<br>ISO 15765-4 CAN (11 bit IQ 500 kbaud)<br>ISO 15765-4 CAN (29 bit IQ 250 kbaud)<br>ISO 15765-4 CAN (29 bit IQ 500 kbaud)<br>SAE J1939 CAN(29 bit IQ 250 kbaud)<br>SAE J1939 CAN(29 bit IQ 500 kbaud) |

### FEATURE

|                           |                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voice Monitoring Range    | N/A                                                                                                                                                                                 |
| Data                      | Accelerometer, SoC, SoH, Charging Status, Remaining Battery Range                                                                                                                   |
| Scenarios                 | Car Fault,<br>Over-Speed,<br>Ignition Detection,<br>Collision,<br>Geo-fence Entry/ Exit,<br>Power On,<br>Device Pull-Out,<br>Engine Idling,<br>Harsh Acceleration,<br>Harsh Barking |
| Driving Behavior Analysis | Harsh Cornering, Collision,<br>BLE 4.2                                                                                                                                              |
| Configuration Support     | SMS, Tracksolid Pro, PC Tools                                                                                                                                                       |
| Certifications            | CE, FCC, RoHS                                                                                                                                                                       |

## ORDER CODES

| VERSIONEN   | ORDER CODES       |
|-------------|-------------------|
| OBD Tracker | IOT-TR-CE-VE-4101 |