

Tracker

OBD-II Version



What is it?

Mubon Trackers is a product that allows capture of different variables in the telemetry of your electric vehicle like locations, status battery, status vehicle if it is moving, charging or stopped, etc.

Why use it?

Our Mubon Tracker is ready to use, we can integrate any electric vehicle and anyone can easily install it in their vehicle.

Key feature

- Car tracking
- Configurable device behaviour
- Sending acquired data via GPRS (TCP/IP, API REST and MQTT protocols)
- Local storage on disconnection
- OTA (firmware updating via GPRS)
- Events on I/O detection and sending via GPRS.
- Integrated back-up battery
- Remote logs reading



Variable	Description
Id	Tracker identifier
Vehicle	The license plate of the vehicle assigned to the tracker
Model	The vehicle model. This is used to configure the tracker firmware to be compatible with the vehicle model.
Uuid	Identifier of the last message sent by the crawler
Time	Time stamp of the last message sent by the tracker
Status	The condition of the vehicle. See possible options in the state table
Voltage	The last voltage of the vehicle battery.
Current	The last current measured in the vehicle.
Speed	The last speed of the vehicle.
Soc	The state of charge of the vehicle battery. Indicates the percentage of charge
Odometer	The latest vehicle odometer measurement.
Latitude	The geographic latitude coordinate of the vehicle
Longitude	The geographic longitude coordinate of the vehicle.
Cell_Voltages	The voltages of each cell of the vehicle.
Cell_Temperatures	The temperatures of each cell of the vehicle.
Energy	Energy per journey
Standby time	Standby time per journey
Motor temperature	Motor temperature
Regenerated energy	Regenerated energy per journey
Extra	Field in JSON format that contains additional information unique to Muverang. At the moment the variable "ds" is sent, which corresponds to a boolean with the status of the doors: True - all doors are closed - False - some door is open



Additional features

Send command to Mubon Tracker *Requires internet connection

Features	Description
GSM/GPRS Module	Quad band: 850/900/1800/1900 MHz GPRS Multi-Slot Class 12 (up to 240 kbps)
GPS Module	33/99 Channel GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS Up to -165 dBm sensitivity
Accuracy	~ 3 meters
Memory	8 GB up to 32 GB
Install Type	Vehicle OBD-II Port Electric Automotive Connectors
Antennas	Internal/External High Gain GPS/GNSS – External High Gain GSM/GPRS
Battery	300 mAh Li-ion
Battery life	3 - 4 Hours (Moving Mode)
Inputs & Outputs	2 High-speed CAN , 3 x UART Configurable Digital I/O
Working Voltage	5V – 28V DC
Operating Temperature	-40°C to +85°C
Power Draw	Stationary- 2-10ma (deep sleep), Moving- 70 mA
Fuse Rating	3A - 32 VDC
Casing	ABS Plastic
Dimensions	103.20 x 50.80 x 23.86 mm
Weight	75g
Origin	Cali (COL)

Accessories

- Installation Manual
- 4 Connectors
- SD Card (8GB *)
- Antenna GPS