Electrifuel Pvt. Ltd.
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OBD
Module
Brochure

 For more information
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Product
Overview

CAN ports (2 ports)

USB port

RS232 port

ROMEO (BMS)

USB port : The USB port in OBD connects diagnostic tools or computers to the BMS system, enabling data transfer between the OBD system and external devices.

CAN ports : CAN ports facilitate communication between electronic devices in automotive and industrial applications, utilizing the CAN protocol for fast and reliable data exchange.

ROMEO: Romeo is our basic non-smart single time configurable hardware BMS.

RS232 port : The RS232 port is a serial communication between a computer and peripheral devices interface that uses a standard protocol to transmit data between devices.

Module
Description

The OBD module comes up with Type-C support and it communicates using different protocols, including the CAN protocol and UART protocol. This enables it to communicate seamlessly with various devices such as BMS, Telematics, and chargers and can provide valuable diagnostic information to the user.

System

Data

Commands

CAN
Protocol

UART
Protocol

OBD

Commands

Data

IOT (Telematics)

BMS
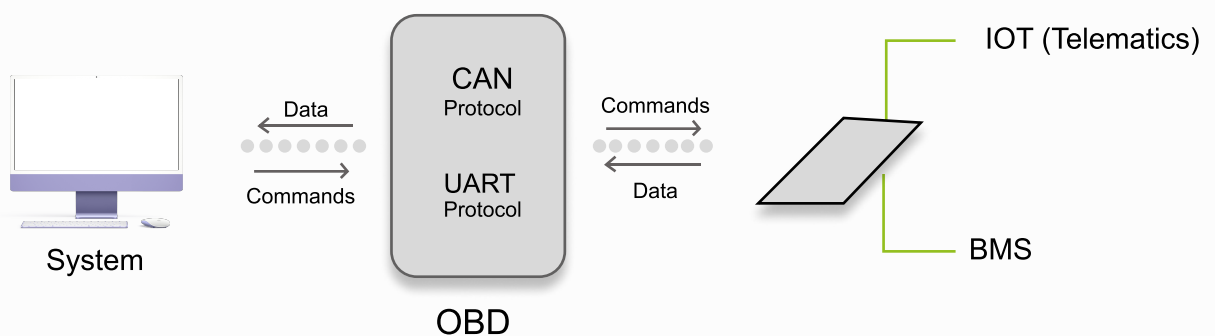
How does it work ?

Our OBD can use different communication protocols to communicate between the various sensors and the OBD computer. Two of the most common communication protocols used in OBD systems are the CAN and UART protocols.

The OBD computer receives these packets, decodes them, and stores the data in its memory for future reference.

The OBD computer receives these packets, decodes them, and stores the data in its memory for future reference and then the data further send to the system (eg. desktop) in the form of UART protocol and vice versa .

Commands are sent to the OBD in UART format and then converted to CAN before being passed on to the BMS/IOT.