SEEED-109990405

OakSense H60Q-QVGA resolution ToF camera

PRODUCT DETAILS

The OBD ^{II} Slaver allows you to hack your vehicle with the integrated OBD port and output all the data via serial interface. It supports the CAN bus protocol, integrates micro SD card slot. On top of that, with the help of a build-in Atmega32U4 (RP2040 for V2), it's compatible with arduino. Which means you can code it like a ardunio, then just plug it into your car's OBD port, you will get the output data via the Type C USB port or you can store all the data into your micro-SD card (TF card), easy-peasy.

This Serial CAN Bus module is based on MCP2551 and MCP2515, which can provide can baud rate from 5kb/s to 1Mb/s.

Feature

- ODB ^{II} port
- Uart to CAN Bus communication
- Build-in Atmega32U4 (RP2040 for V2)

- Integraded GPS module
- Integraded Micro-SD(TF) card
- AT command support
- Up to 115200 Uart baud rate (default 9600)
- Up to 1Mb/s CAN Bus baud rate
- TX and RX led indicator
- Easy-to-use Arduino library

Specifications

Parameter	Value
MCU	Atmega32U4 (with Arduino Leonardo bootloader) / RP2040 for V2
Clock Speed	16MHz
Flash Memory	32KB
SRAM	2.5KB
EERROM	1KB
Operate Voltage	5V
Input Interface	OBD-II
Output Interface	USB Type C

Part List

- OBD Ⅱ Slaver(Base board) x 1
- GPS Board x 1
- Plastic Case x 1
- Screw Driver x 1