瑞麗系統科技有限公司
SwiSys Co., Ltd.

CAN Bus J1939 Bridge

Features

- ✓ Supports both CAN 2.0A and CAN 2.0B (ISO 11898)
- ✓ Meets the J1939 standard
  - Can query *SPD, TMP, RPM, APP, MAP, etc.*
  - Can query *DTC Codes*
- ✓ Can provide additional info for value-added processing on raw data
  - Fuel economics
  - *(between two locations/per fixed distance travelled/instantaneous)*

- ✓ Provide UART Interface for BT, WiFi, 3G/4G, DSRC, NBIoT integration
  - Compatible with ELM327 command set
  - SwiSys proprietary command set
- ✓ Passes the automotive reliability tests:
  - BCI (ISO 11452-4)
  - EFT (IEC 61000-4-4)
  - ESD (IEC61000-4-2) Level A test requirements
- ✓ Abundant MCU/CPU firmware library
  - For secondary development/integration
- ✓ Integrated BT SDK/API for app development
  - iOS and Android

Verified vehicles include: DAEWOO, FUSO, HINO, KING LONG, SCANIA, YUTONG, …etc.

Applications | *fleets, vehicles, and drivers*

- ❖ Fleet management
- ❖ Vehicle-to-vehicle (V2V) communications
- ❖ GPS Navigation Assistance
- ❖ Vehicle status management
- ❖ Vehicle performance log
- ❖ Vehicle diagnosis & maintenance
- ❖ In-vehicle infotainment (IVI)
- ❖ Vehicle pollution monitoring
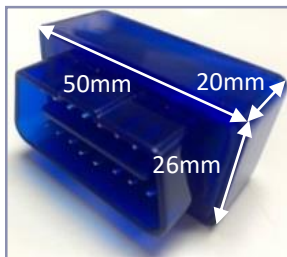- ❖ Driver behavior analysis

CAN Bus J1939 Bridge Mobile Application
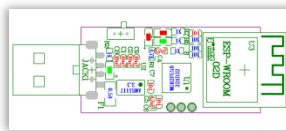
Our Products & Services

❖ Product Specifications:

Operation Voltage	DC 9V to 60V
Operation Current	<60mA
Operation Temperature	-20 to +70°C
Bluetooth Protocol	3.0 SPP + BLE4.2
Dimensions	50*20*26mm
Weight	35g

❖ Solutions/Modules:

- CAN to UART
- OBDII Bridge
- J1939 Bridge
- NMEA 2000
- CAN Bus EVB & ECU

Wifi Dongle

OBDII Bridge + SD Card

CAN Signal Generator

Monitorable vehicle parameters (non-exhaustive):
Engine RPM, engine load, coolant temperature, fuel state, vehicle speed, intake manifold pressure, intake air temp., air flow rate, absolute throttle position, oxygen sensor voltage, fuel pressure, show diagnostic trouble codes, clear diagnostic trouble codes, etc.

Additional parameters to monitor and control (customizable):
Mileage, gear, steering wheel angle, break state, light state, door state, fuel consumption, window control, light control, etc.

❖ Education & Training:

- CAN Bus
- Introductory OBDII

Stay in touch and let us help you find a solution!

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