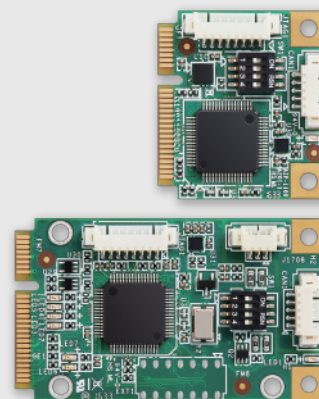


FARO CANbus Module

Features

- Full or Half PCI Express Mini Card
- Compliant with CAN 2.0 A/B Specification
- Equips 2-Channel Individual CAN and J1708 Interfaces
- CANbus Baud Rate Setting: 125/250/500/800/1000Kbps
- Vehicle Communication Protocols: OBD-II, J1939 and J1708
- Built-in Programmable CAN Identifier Filtering
- Sensor Integrated: 3D Gyroscope, 3D Accelerometer
- Support Linux Socket CAN Driver
- VehicleON™ and FleetON™ SDK for Quick System Integration



Introduction

ANTZER TECH's FARO Series can optionally support protocols from RAW CAN 2.0 a/ b, OBDII, J1939 to J1708 . With FARO's VehicleON™ SDK, your system is allowed to get Car, Truck, Bus, Crane, Harvester & other commercial vehicle information easily.

Other powerful advantages as independent dual CANbus, Gyroscope/ Accelerometer on-board, and FleetON™ Middleware for demo cloud make FARO the ideal solution for the Fleet Management, Public Transit, Law Enforcement, Digital Signage Player, Vehicle Data Collection, Vehicle Tracking, Telematics System, and etc.

Specifications

Form Factor	Full or Half PCI Express Mini Card
Host Interface	Standard: USB 2.0 via PCI Express Mini Card Socket Note: FARO-FS910 UART via PCI Express Mini Card Socket
Interface Number	CAN (ISO 11898) x 2 Individual Channels J1708 x 1 (FARO-FS900/FS910 Only)
Sensor	3D Gyroscope 3D Accelerometer
Protocol	OBD-II, J1939 and J1708
Identifier filtering	Mask and Identifier List Mode
Driver Support	Microsoft Windows 7 / 8.1 / 10 Linux Kernel 2.6 , 3.13, and 4.4 Socket CAN
SDK Support	Microsoft Windows 7 / 8.1 / 10 Linux by Project
Operation Temp.	-40°C ~ 85°C
Vibration Test	Pass 7.69G@ 20~2000Hz, compliant with MIL-STD-810G category 24
ESD Protection	8kV Contact, 15kV air
Certificate	CE/FCC
Dimension (L x W x H)	Full PCI Express Mini Card: 50.9 x 30 x 6.56mm Half PCI Express Mini Card: 26.8 x 30 x 6.56mm

* Specifications are subject to change without prior notice.

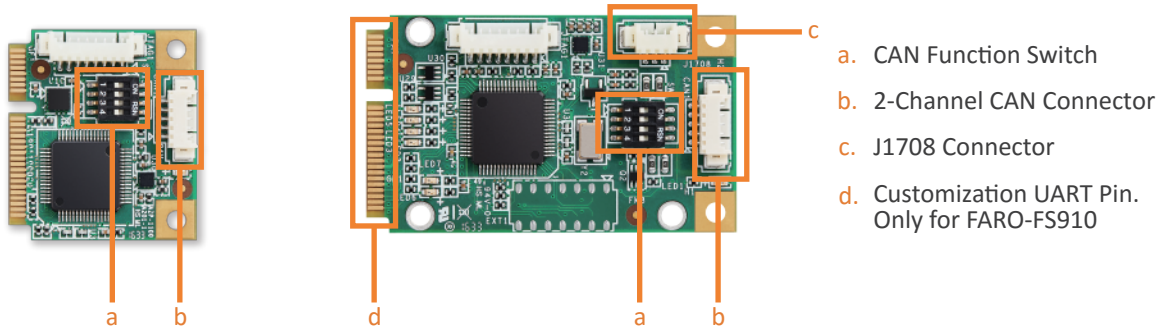
VehicleON™ SDK

ANTZER TECH VehicleON™ is a convenient development kit to enable the CAN, J1708 and sensors hardware functions. Furthermore, the software features, such as the higher-layer protocols and identifier filtering, are also easy and flexible to be integrated to the applications. The included sample code is helpful to speed up the project schedule.

FleetON™ SDK

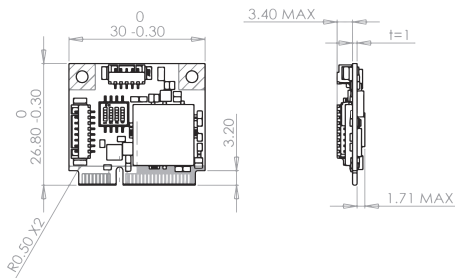
FleetON™ has integrated the various well-known cloud protocols. The hard work is not required. Only a couple of commands, all of the vehicle status are reported to the telematics center.

I/O Connectors

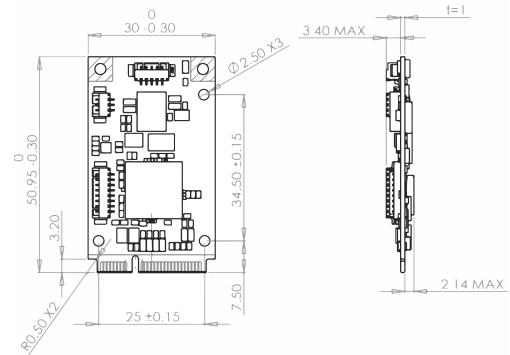


Dimensions

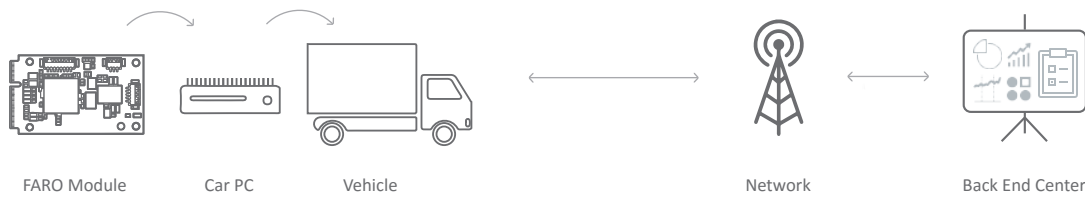
FARO-HS Series



FARO-FS Series



Application



Ordering Information

Part Number	Description
FARO-HS100	Half Mini PCIE(USB), 2 channels CAN 2.0A/B, Gyroscope, Accelerometer
FARO-HS300	Half Mini PCIE(USB), 2 channels CAN 2.0A/B, OBDII, Gyroscope, Accelerometer
FARO-HS700	Half Mini PCIE(USB), 2 channels CAN 2.0A/B, OBDII, J1939, Gyroscope, Accelerometer
FARO-FS900	Full Mini PCIE(USB), 2 channels CAN 2.0A/B, OBDII, J1939, x1 J1708, Gyroscope, Accelerometer
FARO-FS910	Full Mini PCIE(UART), 2 channels CAN 2.0A/B, OBDII, J1939, x1 J1708, Gyroscope, Accelerometer

* For available protocol configuration, please refer to FARO series' user manual.

CAN Function Switch	
1	CAN 2 Terminal Resistor
2	NC
3	CAN 1 TX
4	CAN 1 Terminal Resistor
ON: Enable / OFF: Disable(Default)	
CAN Connector Pin Define	
1	CAN 1 CAN-L
2	CAN 1 CAN-H
3	GND
4	CAN 2 CAN-L
5	CAN 2 CAN-H
J1708 Connector Pin Define	
1	D-
2	GND
3	D+