

# iROBO-VCA90D

## Vehicle Embedded Gateway System



### Features

- NXP Semiconductors iMX6 ARM Cortex™-A9 1GHz Single Core or Dual Core or Quad Core
- Fanless Design
- Dual SIM Card
- Bluetooth OBDII optional
- up to 4x Gigabit Ethernet optional

### Specifications

#### CPU

- NXP iMX6 ARM Cortex™ 1GHz Dual Core
- Optional iMX6 Solo Core 1GHz
- Optional iMX6 Quad Core 1GHz

#### Memory

- 1GB DDR RAM
- Optional 2GB

#### Graphic

- Integrated in SoC, HDMI Interface (default)
- Optional VGA interface

#### Storage / Drive Bay

- 4GB Flash, microSD Socket

#### Ethernet

- Integrated in SoC 1x Gigabit Ethernet
- Optional 4x Gigabit Ethernet
- Optional 802.11 b/g/n/ac/ Bluetooth 2.0/3.0/4.0/BLE

#### G-Sensor

- 3-axis motion tracking sensor

#### GPS

- ublox UBX-G7020 Chip
- L1 receiver: 56 channels
- GNSS Engine: GPS / GLONASS

#### USB

- 2x Host / 1x OTG optional

#### Audio

- Heas-phone output, MIC input

#### 3G/4G Modem

- 3G Quad Band UMTS/HSPA 900/850/900/1900/2100MHz
- dual SIM Card slots

#### I/O Connectors

- VGA, 1x CAN 2.0B, 1xRS232, 1xRS485, 2xUSB, 1xOTG, LAN
- 4xDigital Inputs (Optional 8), Audio-out, MIC

#### Other Internal Input/Output

- 1xCAN 2.0B, 3xPhoto-coupled digital output
- 9xPhoto-coupled digital input (5..+24V), I<sup>2</sup>C Bus

#### Power Supply

- Power input: +9...36 VDC, pluggable 3-pin connector

#### Mechanical

- Fanless Design , Metall chassis
- Mounting: wall-mounting

#### Dimensions

- Dimension (W x H x D mm): 204 x 50 x 121 mm
- Weight: TBD

#### Environment

- Operating Temperature: -20°C to 70°C
- Storage Temperature: TBD

#### Certifications

- CE
- e Mark (ready end of Q1 2017)

#### Software

Linux 3.10 (Yocto 1.6), Android 4.4 (or newer)

#### Ordering Information

**iROBO-VCA90D Vehicle Embedded Gateway, Black**