

V2V Unit

C-ITS ON BOARD UNIT
FOR CONNECTED VEHICLES



**V2X & C-V2X RADIO COMMUNICATION WITH BOTH
INFRASTRUCTURE AND CONNECTED VEHICLES**
REAL-TIME VEHICLE LOCATION
TRAFFIC LIGHT PRIORITY
ROAD HAZARDS BROADCAST

V2V Unit

C-ITS ON BOARD UNIT FOR CONNECTED VEHICLES

LACROIX 's V2V Unit is a communication unit suited to provide a V2X connectivity to all service vehicles. Thanks to an embedded Wifi access point, data is displayed on portable devices (Tablet, smartphone) and Alerts can warn the driver. Manual V2X Alarms can also be raised through the display and all the field data is sent to management centers through the 3G/4G link of the device.



BENEFITS

- Reduced risks of accidents
- Improved quality of services for road users
- Less traffic congestion
- Time savings during commissioning and maintenance
- Cybersecure data exchanges
- Interoperable solution that fully interfaces with existing systems.

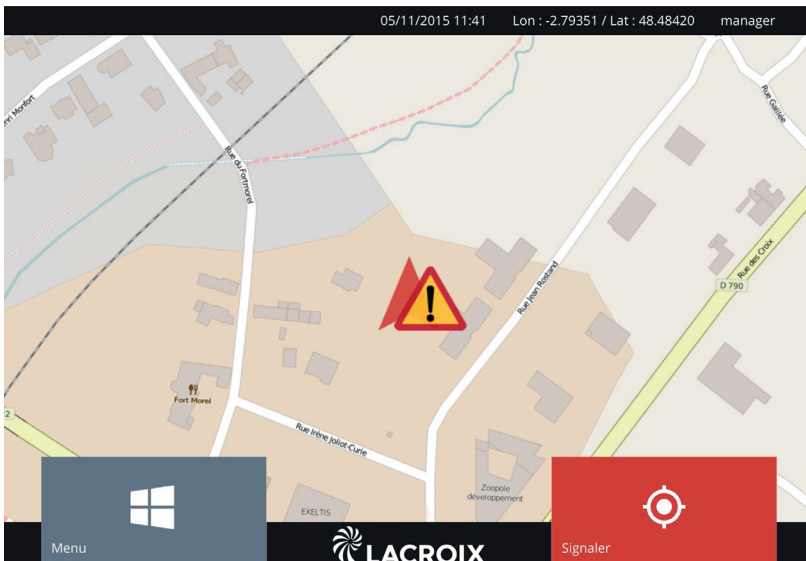
APPLICATIONS

- Priority for public transport (PrioV2X)
- Priority for emergency vehicles
- Roadworks warning for automated vehicles
- Connected road patrol
- In-vehicle signage

FUNCTIONS

- Traffic data collection
- Real-time vehicle location
- Hazardous locations notifications
- V2X and C-V2X radio communication
- Third Party integration through API

COOPERATIVE VEHICLE TO VEHICLE AND VEHICLE TO INFRASTRUCTURE APPLICATIONS



ENVIRONMENTAL

- Dimensions : 158*174*31 (mm)
- Weight : 500g
- Temperature : -40°C / +70°C

ANTENNAS

- Multiband V2X / cellular / GPS,
- Magnetic base
- Seperate Wifi antenna

HARDWARE INTERFACES

- DSRC V2X double channel
- C-V2X 5G
- GNSS
- Cellular 3G/4G
- Wifi (option)
- Bluetooth (option)