



C-V2X SDK

Software development kit for C-V2X

The Cohda C-V2X SDK is a self-contained virtual machine that allows anyone with previous embedded Linux experience to quickly compile and run C-V2X applications on the MK6C.

It includes source code for Red Light Warning (RLW) and Road Side Alert (RSA) to demonstrate the various APIs and enable quick application development.

In addition it also includes binaries for the following applications:

- FCW: Forward Collision Warning
- EEBL: Emergency Electronic Brake light
- CSW: Curve Speed Warning
- RWW: RoadWorks Warning
- BSW: Blind Spot Warning
- HLW-CN: Hazard Location Warning for China
- AVW: Abnormal Vehicle Warning for China
- SLW: Speed Limit Warning for China
- RLW: Red Light Violation Warning for China
- GLOSA-CN: Green Light Optimal Speed Advisor for China

Over and above these applications, the SDK includes all software including tools necessary to modify, rebuild and test the Cohda firmware to your own specifications, e.g. adding kernel features and drivers or developing proprietary C-V2X alert applications

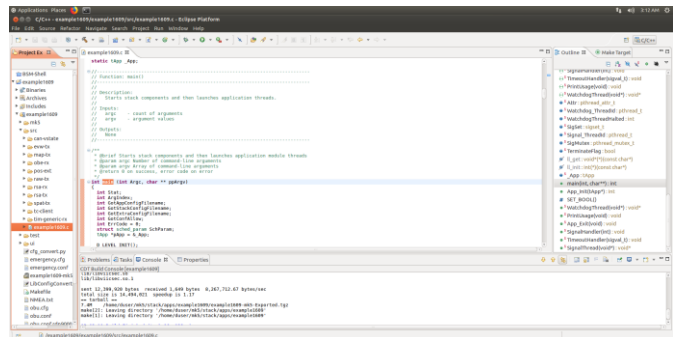
C-V2X SDK for MK6C

Applications

- Develop C-V2X Application Layer Software for the MK6C for all regional V2X standards.
- exampleETSI, multi-threaded customizable application source code supporting the ETSI, ISO & C2C-CC standards.
- example1609, multi-threaded customizable application source code supporting the IEEE 1609.x & SAE standards.
- exampleCN, multi-threaded customizable application source code supporting the IMT2020, CSAE and CCSA standards.
- All three example applications above can showcase functionality as OBU or RSU.
- Complete tool chain, necessary to create custom Linux configuration for the MK6C

Tools

- Concise and complete API documentation
- Eclipse Integrated Development Environment, with pre-configured projects
- Wireshark, with Cohda custom decoder, for easy packet level debug and analysis
- vsim, a comprehensive drive visualisation, simulation, and playback tool
- Emulated C-V2X communication between multiple virtual machines over Ethernet



Please contact Cohda Wireless for training

Cohda Wireless Pty Ltd
27 Greenhill Road
Wayville SA 5034
Australia
P +61 8 7099 5500
inquiry@cohdawireless.com

Cohda Wireless Europe GmbH
Kronstadter Str. 4
81677 Munich
Germany
P +49 89 208026548
inquiry.eu@cohdawireless.com

Cohda Wireless America LLC
39475 13 Mile Road, Suite 107
Novi MI 48377
USA
P +1 248-513-2105
inquiry.na@cohdawireless.com

Cohda Wireless China
Building B, 567 Langao Road,
Putuo Area, Shanghai
People's Republic of China
P +86 21 2221 8265
inquiry.ch@cohdawireless.com

Hancom MDS Inc.
3FL Hancom Tower, 49
Daewangpangyo-ro 644
Beon-gil
Bundang-gu
Seongnam-si, Gyeonggi-do
463-400 Republic of Korea
P +82 31-627-3000
inquiry.kr@cohdawireless.com