



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 Qualcomm 9150 development platform (QC-V2X-00005) and the MK6C.

It includes source code for several example applications to demonstrate the various APIs and quickly bootstrap application development.

Over and above these applications, the SDK includes all software (mostly source and a few binaries) necessary to modify and rebuild the Cohda firmware to your own specifications, e.g. adding kernel features and drivers or developing proprietary C-V2X alert applications

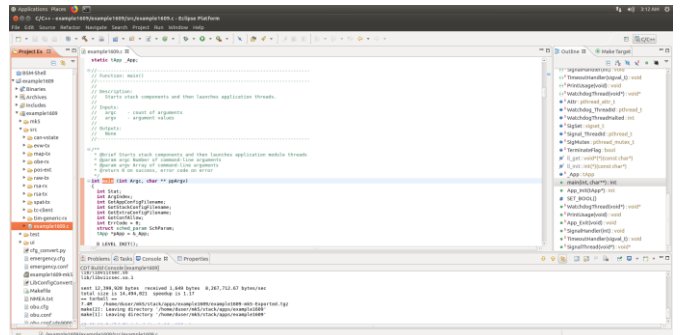
C-V2X SDK for MK6C and Qualcomm 9150 DP

Applications

- Develop C-V2X Application Layer Software for the MK6C and the Qualcomm 9150 DP
- Example ETSI, multi-threaded customizable application source code supporting the ETSI, ISO & C2C-CC standards.
- Example 1609, multi-threaded customizable application source code supporting the IEEE 1609.x & SAE standards.
- Complete tool chain, necessary to create custom Linux configuration for the MK6C and Qualcomm 9150 DP

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



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