



SDK

Software Development Kit for Cohda MKx family

The MKx SDK is a self-contained virtual machine that allows anyone with previous embedded Linux experience to quickly compile and run V2X applications on the MKx family, including MK6, MK5 and MK6C EVK.

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 MKx firmware to your own specifications, e.g. adding kernel features and drivers or developing proprietary V2X alert applications.



Cohda Wireless is a global leader in the development of Connected Vehicles and Connected Autonomous Vehicle software with proven applications for Smart City, Mining and other environments.

Cohda Wireless' V2X technology is proven with inclusion in the first two production vehicles giving Cohda Wireless practical experience in bringing automotive ITS solutions to industry.

cohdawireless.com

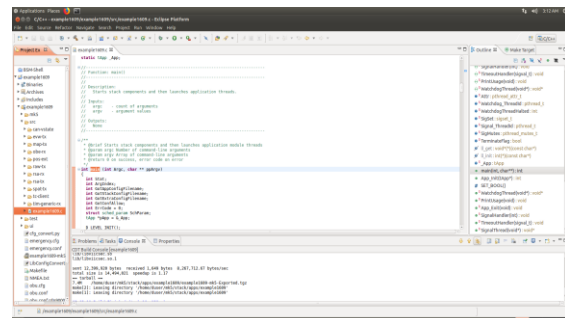
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APPLICATIONS

- Develop V2X Application Layer Software for the MKx Family
- Multi-threaded customizable example application source code:
 - ExampleETSI, supporting the ETSI, ISO & C2C-CC standards
 - Example1609, supporting the IEEE 1609 & SAE standards
 - ExampleCN, supporting the CSAE & YD/T standards
- Complete tool chain, necessary to create custom Linux configuration for the MKx family with:
 - MK6: NXP RoadLINK® SAF5400 and Qualcomm SA515 chipsets
 - MK5: NXP RoadLINK® SAF5100 chipset
 - MK6C: Qualcomm 9150 chipset
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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 DSRC or C-V2X communication between multiple virtual machines over Ethernet



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