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# MK6C EVK

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## Cohda Wireless C-V2X EVK

Cohda's cellular V2X Evaluation Kit (EVK), is a preview of what is to come with the full MK6 On-Board Unit (OBU) and Road-Side Unit (RSU). The MK6C EVK is a small and low-cost module that offers multiple connectivity options on top of C-V2X to provide a rapid way to develop your V2X applications and use-cases.

The MK6C provides connectivity such as 2xCAN, ETH and Wi-Fi/BT in addition to the C-V2X capabilities. It is truly a versatile kit that enables your development and increases your capability for deployment.

Based on the MDM 9150 chipset developed by Qualcomm, it offers a robust and secure foundation for developing towards the intelligent transport systems of the future.

# MK6C EVK Specs

## Standards

IEEE 1609 - 2016  
 ETSI TS 103 613  
 3GPP R14  
 SAE J3161  
 GB/T 31024

## C-V2X Bandwidth

20 MHz

## Connectivity

C-V2X PC5 (Qualcomm 9150)  
 Wi-Fi 802.11ac  
 Bluetooth 4.1 + BLE  
 Ethernet  
 CAN

## Operating System

Linux 4.9.88

## Application Processor

i.MX 8QXP

## Security

SXF1800 FIPS 140-2 level 3 compliant

## C-V2X Receiver Sensitivity

-93.4 dBm

## Environmental Operating Ranges

-40°C to +85°C

## C-V2X Maximum Transmit Power

Class 3 with 21.5dBm

## GNSS

GPS/GLONASS/Galileo/Beidou

## Dimensions

W 193 x L 160 x 51 mm

## Power Supply

6-24V

## Accessories

Vehicle connector cable  
 2 C-V2X antennas  
 1 Mobile Mark Mag Mount antenna  
 1 GNSS antenna

## Part Number

CWP-CV2XK-MK6C-WW00102



*The MK6C is an EVK and no regional regulatory compliance (FCC, CE, etc.) is available.*

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