



## MK6C 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.

*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.*

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# MK6C EVK Specs

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## 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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