



MK6C EVK

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

10 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 175 x L 121 x 51 mm

Power Supply

6-24V

Accessories

Vehicle connector cable
 2 C-V2X antennas
 1 GNSS antenna

Part Number

CWP-CV2XK-MK6C-WW00101

