Cohda Wireless
A DANLAW COMPANY

MK6C EVK RSU

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 is housed in a IP67 enclosure with a robust M12 POE 802.3at capable Ethernet port and a convenient LED power indicator. It comes packaged with the necessary V2X and GNSS antennas as well as a pole mounting kit ready to go.

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.

MK6C EVK in RSU enclosure 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 260 x L 260 x 65 mm

Power Supply
POE 802.3at w/ LED indication

Accessories
Pole mounting kit
2 C-V2X antennas
1 GNSS antenna

Part Number
CWP-CV2XK-MK6C-WW00302

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