Connected Car Reference Platform

Designed to enable OEMs and suppliers to easily and seamlessly integrate numerous advanced connected car technologies, using one framework.

Qualcomm® Connected Car Reference Platform with leading functionality:

- Infrastructure Wi-Fi
- Remote Keyless Entry, Piloted Parking
- Active Safety Using Multichannel DSRC
- Mirroring: CarPlay, Android Automotive Projection, Mirrorlink
- Edge Computing
- Secure OTA for Multiple ECUs
- Dual Band 2.4/5 concurrent Wi-Fi
- Heterogeneous Connection Management
- Cellular V2X
- LTE Support for DSRC
- Wireless Sensor Gateway
- Tuner Integration, SDR
- Qualcomm® tuneX™ Solution
- Qualcomm® Atlas™ Processor

To learn more visit: qualcomm.com/automotive

Highlights of the Connected Car Reference Platform

Scalability

Using a common framework that scales from a basic telematics control unit (TCU) up to a highly integrated wireless gateway connecting multiple electronic control units (ECUs) within the car supporting of critical functions such as over-the-air software upgrades and data collection and analytics.

Future-proofing

Allowing the vehicle’s connectivity hardware and software to be upgraded through its life cycle, providing automakers with a migration path from DSRC to hybrid/cellular V2X and from 4G LTE to 5G.

Wireless coexistence

Managing concurrent operation of multiple wireless technologies using the same spectrum frequencies, such as Wi-Fi, Bluetooth and Bluetooth Low Energy.

OEM and third-party applications support

Providing a security framework for the development and execution of custom applications.

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