

Global Automotive V2X Market Research Report with Opportunities and Strategies to Boost Growth-COVID-19 Impact and Recovery

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Abstracts

Vehicle-to-everything (V2X) communication is the passing of information from a vehicle to any entity that may affect the vehicle, and vice versa. It is a vehicular communication system that incorporates other more specific types of communication as V2I (Vehicle-to-Infrastructure), V2N (Vehicle-to-network), V2V (Vehicle-to-vehicle), V2P (Vehicle-to-Pedestrian), V2D (Vehicle-to-device) and V2G (Vehicle-to-grid).

The main motivations for V2X are road safety, traffic efficiency, and energy savings. There are two types of V2X communication technology depending on the underlying technology being used: 1) WLAN based, and 2) cellular based. Standardization of WLAN based V2X supersedes that of cellular based V2X system. IEEE first published the specification of WLAN based V2X (IEEE 802.11p) in 2012. It supports direct communication between vehicles (V2V) and between vehicle and infrastructure (V2I). DSRC uses the underlying radio communication provided by 802.11p. In 2016, 3GPP published V2X specifications based on LTE as the underlying technology. It is generally referred to as 'cellular V2X' (C-V2X) to differentiate itself from the 802.11p based V2X technology. In addition to the direct communication (V2X, V2I), C-V2X also supports wide area communication over cellular network (V2N). This additional mode of communication and native migration path to 5G are two main advantages over 802.11p based V2X system.

Based on the Automotive V2X market development status, competitive landscape and development model in different regions of the world, this report is dedicated to providing niche markets, potential risks and comprehensive competitive strategy analysis in different fields. From the competitive advantages of different types of products and services, the development opportunities and consumption characteristics and structure analysis of the downstream application fields are all analyzed in detail. To Boost Growth



during the epidemic era, this report analyzes in detail for the potential risks and opportunities which can be focused on.

In Chapter 2.4 of the report, we share our perspectives for the impact of COVID-19 from the long and short term.

In chapter 3.4, we provide the influence of the crisis on the industry chain, especially for marketing channels.

In chapters 8-13, we update the timely industry economic revitalization plan of the country-wise government.

Key players in the global Automotive V2X market covered in Chapter 5:

Cisco Systems, Inc

Mobileye NV

Robert Bosch GmbH

Delphi Automotive PLC

International Business Machines Corporation

Tomtom N.V.

AT&T Inc.

Vodafone Group PLC.

Intel Corporation

Cohda Wireless PTY Ltd.

Nvidia Corporation

NXP Semiconductors N.V.

PTC Inc.

Continental AG

Audi AG

Autotalks Limited

Qualcomm Inc.

Daimler AG

Harman International Industries, Inc.

Infineon Technologies AG

In Chapter 6, on the basis of types, the Automotive V2X market from 2015 to 2025 is primarily split into:

Commercial

Passenger

In Chapter 7, on the basis of applications, the Automotive V2X market from 2015 to 2025 covers:



Predictive Maintenance

Remote Monitoring and Diagnostics

Parking Management System

Fleet and Asset Management

Passenger Information System

Emergency Vehicle Notification

Intelligent Traffic System

Automated Driver Assistance

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historic and forecast (2015-2025) of the following regions are covered in Chapter 8-13:

North America (Covered in Chapter 9)

United States

Canada

Mexico

Europe (Covered in Chapter 10)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 11)

China

Japan

South Korea

Australia

India

South America (Covered in Chapter 12)

Brazil

Argentina

Columbia

Middle East and Africa (Covered in Chapter 13)

UAE

Egypt

South Africa



Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025



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