

COVID-19 Outbreak-Global Automotive V2X Industry Market Report-Development Trends, Threats, Opportunities and Competitive Landscape in 2020

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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.

The Automotive V2X market revenue was xx.xx Million USD in 2019, and will reach xx.xx Million USD in 2025, with a CAGR of x.x% during 2020-2025.

Under COVID-19 outbreak globally, this report provides 360 degrees of analysis from supply chain, import and export control to regional government policy and future influence on the industry. Detailed analysis about market status (2015-2020), enterprise

competition pattern, advantages and disadvantages of enterprise products, industry development trends (2020-2025), regional industrial layout characteristics and macroeconomic policies, industrial policy has also been included. From raw materials to end users of this industry are analyzed scientifically, the trends of product circulation and sales channel will be presented as well. Considering COVID-19, this report provides comprehensive and in-depth analysis on how the epidemic push this industry transformation and reform.

In COVID-19 outbreak, Chapter 2.2 of this report provides an analysis of the impact of COVID-19 on the global economy and the Automotive V2X industry.

Chapter 3.7 covers the analysis of the impact of COVID-19 from the perspective of the industry chain.

In addition, chapters 7-11 consider the impact of COVID-19 on the regional economy.

The Automotive V2X market can be split based on product types, major applications, and important countries as follows:

Key players in the global Automotive V2X market covered in Chapter 12:

Mobileye NV
Continental AG
Nvidia Corporation
Cisco Systems, Inc
Audi AG
Harman International Industries, Inc.
Delphi Automotive PLC
International Business Machines Corporation
Intel Corporation
Tomtom N.V.
AT&T Inc.
PTC Inc.
Cohda Wireless PTY Ltd.
Robert Bosch GmbH
Infineon Technologies AG
Daimler AG
Qualcomm Inc.
Autotalks Limited
NXP Semiconductors N.V.
Vodafone Group PLC.

In Chapter 4 and 14.1, on the basis of types, the Automotive V2X market from 2015 to 2025 is primarily split into:

Commercial
Passenger

In Chapter 5 and 14.2, 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 6, 7, 8, 9, 10, 11, 14:

North America (Covered in Chapter 7 and 14)

United States

Canada

Mexico

Europe (Covered in Chapter 8 and 14)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 9 and 14)

China

Japan

South Korea

Australia

India

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 10 and 14)

Saudi Arabia

UAE

Egypt

Nigeria

South Africa

Others

South America (Covered in Chapter 11 and 14)

Brazil

Argentina

Columbia

Chile

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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