

# **Global Automotive V2X Market Size study, By Communication (Vehicle-to-vehicle (V2V), Vehicle-to-infrastructure (V2I), Vehicle-to-pedestrian (V2P), Vehicle-to-grid (V2G), Vehicle-to-cloud (V2C), and Vehicle-to-device (V2D)), Connectivity (Dedicated Short-range Communication (DSRC), and Cellular-V2X (C-V2X) Communication) and Vehicle Type (Passenger Cars and Commercial Vehicles), and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Automotive V2X Market is valued approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028.

The Vehicle to Everything (V2X) refers to a vehicular communication system that supports the transfer of information from a vehicle to moving parts of the traffic system that may affect the vehicle. The main purpose of V2X technology is to improve road safety, energy savings, and traffic efficiency on the roads. In V2X system information travels from the vehicle sensors and other sources through high-bandwidth, high-reliability links, allowing it to communicate with other cars, infrastructure including other vehicles, parking spaces, traffic signals, and pedestrians among others. The rising adoption of connected cars worldwide and increasing number of technological advancements in automobile sector as well as recent strategic initiatives from leading market players are factors that are accelerating the global market demand. For instance, according to Statista – in 2020, the global connected car market was valued at USD 65 billion. This market is projected to grow to USD 121 billion by 2025.

Furthermore, Strategic initiatives from government authorities would influence the growth of Global Automotive V2X Market. For instance, in April 2022, The US Department of Energy (DOE) and partners announced the Vehicle to Everything (V2X) Memorandum of Understanding (MOU). This MOU would bring together DOE, DOE national labs, state and local governments, utilities, and private entities to evaluate technical and economic feasibility for integration of bidirectional charging into energy infrastructure. Also, growing emergence of 5G & AI technologies and increasing ownership of personal vehicles in emerging economies are anticipated to act as a catalyzing factor for the market demand during the forecast period. However, a high deployment & maintenance cost associated with V2X technology and rising concern over cyber security impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Automotive V2X Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing number of technological advancements in automotive sector and presence of leading market players in the region. Whereas, Asia Pacific is anticipated to exhibit a significant growth rate over the forecast period 2022-2028. Factors such as the thriving growth of automotive sector and increasing penetration of advanced technologies such as 5G & AI, would create lucrative growth prospects for the global Automotive V2X Market across the Asia Pacific region.

Major market players included in this report are:

Altran

Autotalks Ltd.

Continental AG

HARMAN International

Infineon Technologies AG

NXP Semiconductors

Qualcomm Technologies, Inc.

Robert Bosch GmbH

Savari, Inc.

STMicroelectronics

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also

caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Communication

Vehicle-to-vehicle (V2V)

Vehicle-to-infrastructure (V2I)

Vehicle-to-pedestrian (V2P)

Vehicle-to-grid (V2G)

Vehicle-to-cloud (V2C)

Vehicle-to-device (V2D)

By Connectivity

Dedicated Short-range Communication (DSRC)

Cellular-V2X (C-V2X) Communication)

By Vehicle Type

Passenger Cars

Commercial Vehicles

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Automotive V2X Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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