

North America Vehicle-to-Everything (V2X) Market 2022-2030 by Component, Communication Type (V2P, V2G, V2C, V2I, V2D, V2V), Connectivity (DSRC, Cellular), Technology, Vehicle Type (Passenger, Commercial), Vehicle Propulsion (ICE, EV), Distribution and Country

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Abstracts

North America vehicle-to-everything (V2X) market is projected to grow by 58.1% annually in the forecast period and reach \$384.03 billion by 2030, driven by growing demand for fully autonomous driving and safe vehicles, advancements in 5G technology, increased electric vehicles (EV) sales, government regulations to curb emissions, and need to reduce traffic congestion.

Highlighted with 55 tables and 57 figures, this 151-page report “North America Vehicle-to-Everything (V2X) Market 2022-2030 by Component, Communication Type (V2P, V2G, V2C, V2I, V2D, V2V), Connectivity (DSRC, Cellular), Technology, Vehicle Type (Passenger, Commercial), Vehicle Propulsion (ICE, EV), Distribution and Country” is based on a comprehensive research of the entire North America vehicle-to-everything (V2X) market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2020-2022 and provides forecast from 2023 till 2030 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following

aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America vehicle-to-everything (V2X) market in every aspect of the classification from perspectives of Component, Communication Type, Connectivity, Technology, Vehicle Type, Vehicle Propulsion, Distribution, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Automotive V2X Hardware

On-board Units (OBU)

Roadside Units (RSU)

Antenna

Evaluation Kits

Other Hardware

Automotive V2X Software

V2X Software Stack

V2X Software Development Kit

Other Software

Automotive V2X Service

Based on Communication Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Vehicle-to-Pedestrian (V2P)

Vehicle-to-Grid (V2G)

Vehicle-To-Cloud (V2C)

Vehicle-to-Infrastructure (V2I)

Vehicle-to-Device (V2D)

Vehicle-to-Vehicle (V2V)

Other Communication Types

By Connectivity, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Dedicated Short-Range Communication (DSRC)

Cellular-V2X (C-V2X)

Other Connectivity Types

By Technology, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Emergency Vehicle Notification

Automated Driver Assistance

Passenger Information System

Line of Sight

Other Technologies

By Vehicle Type, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

By Vehicle Propulsion, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Internal Combustion Engine (ICE) Vehicles

Electric Vehicles (EV)

Battery Electric Vehicle (BEV)

Hybrid Electric Vehicle (HEV)

Plug-in Hybrid Electric Vehicle (PHEV)

Fuel Cell Electric Vehicle (FCEV)

By Distribution, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2030 included in each section.

Original Equipment Manufacturer (OEM)

Aftermarket

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) are available for 2022-2030. The breakdown of national markets by Communication Type, Connectivity and Vehicle Type over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Autotalks Ltd.

Capgemini Engineering

Cohda Wireless

Continental AG

Delphi Technologies

Denso Corporation

HAAS, Inc.

Harman International

Huawei Technologies Co., Ltd.

Infineon Technologies AG

Kapsch Group

Lear Corporation

Marben Products

Neusoft Corporation

NXP Semiconductors N.V.

Qualcomm Incorporated

Robert Bosch GmbH

Rohde & Schwarz

Savari, Inc.

Unex Technology

(Please note: The report will be updated before delivery so that the latest historical year is the base year and the forecast covers at least 5 years over the base year.)

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