

Global Automotive CellularV2X(C-V2X) Modules Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive CellularV2X(C-V2X) Modules market size was valued at USD 488.7 million in 2023 and is forecast to a readjusted size of USD 9013.8 million by 2030 with a CAGR of 51.6% during review period.

The Cellular V2X (C-V2X) is a 3GPP standard describing a technology to achieve the V2X requirements. C-V2X is an alternative to 802.11p, the IEEE specified standard for V2V and other forms of V2X communications. Vehicle-to-everything (V2X) communication is the passing of information from a vehicle to any entity that may affect the vehicle, and vice versa.

Global top five manufacturers of automotive cellular V2X (C-V2X) modules occupied for a share over 60 percent, key players are Huawei, Qualcomm, Ficos, Quectel Wireless and Fibocom etc. Geographically speaking, Asia Pacific holds the most of global market share, about 50%. North America holds about 25% of share, while Europe followed by nearly 20%. In terms of product, 4G are the largest segment, with a share over 75%. And in terms of application, the largest application is vehicle-to-infrastructure (V2I), which takes over 25%.

The Global Info Research report includes an overview of the development of the Automotive CellularV2X(C-V2X) Modules industry chain, the market status of Vehicle-to-Vehicle (V2V) (4G, 5G), Vehicle-to-Infrastructure (V2I) (4G, 5G), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive CellularV2X(C-V2X) Modules.

Regionally, the report analyzes the Automotive CellularV2X(C-V2X) Modules markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive CellularV2X(C-V2X) Modules market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive CellularV2X(C-V2X) Modules market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive CellularV2X(C-V2X) Modules industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., 4G, 5G).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive CellularV2X(C-V2X) Modules market.

Regional Analysis: The report involves examining the Automotive CellularV2X(C-V2X) Modules market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive CellularV2X(C-V2X) Modules market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive CellularV2X(C-V2X) Modules:

Company Analysis: Report covers individual Automotive CellularV2X(C-V2X) Modules players, suppliers, and other relevant industry players. This analysis includes studying

their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive CellularV2X(C-V2X) Modules. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I)).

Technology Analysis: Report covers specific technologies relevant to Automotive CellularV2X(C-V2X) Modules. It assesses the current state, advancements, and potential future developments in Automotive CellularV2X(C-V2X) Modules areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive CellularV2X(C-V2X) Modules market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive CellularV2X(C-V2X) Modules market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

4G

5G

Market segment by Application

Vehicle-to-Vehicle (V2V)

Vehicle-to-Infrastructure (V2I)

Vehicle-to-Pedestrian (V2P)

Vehicle-to-Device (V2D)

Vehicle-to-Grid (V2G)

Others

Market segment by players, this report covers

Huawei

Qualcomm

Ficosa

Quectel Wireless

Fibocom

Autotalks

Bosch

Unex

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Automotive CellularV2X(C-V2X) Modules product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Automotive CellularV2X(C-V2X) Modules, with revenue, gross margin and global market share of Automotive CellularV2X(C-V2X) Modules from 2019 to 2024.

Chapter 3, the Automotive CellularV2X(C-V2X) Modules competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Automotive CellularV2X(C-V2X) Modules market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Automotive CellularV2X(C-V2X) Modules.

Chapter 13, to describe Automotive CellularV2X(C-V2X) Modules research findings and conclusion.

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