

Global C-V2X Devices Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

C-V2X (Cellular Vehicle-to-Everything) devices are a crucial component of the rapidly evolving connected vehicle ecosystem. These devices enable vehicles to communicate with each other, infrastructure, pedestrians, and other road users, enhancing road safety, traffic efficiency, and overall driving experience. C-V2X technology operates on cellular networks, offering advantages such as low latency, extended communication range, and high reliability.

The current market size for C-V2X devices in 2023 stands at approximately USD 120 million. With a projected Compound Annual Growth Rate (CAGR) of 25.50% from 2024 to 2032, the market is expected to reach USD 580 million by the end of the forecast period. This growth is primarily driven by increasing demand for connected vehicles, government initiatives promoting intelligent transportation systems, and advancements in 5G technology.

One of the key growth drivers for the C-V2X devices market is the rising focus on road safety. C-V2X technology plays a vital role in enabling vehicles to exchange real-time information about road conditions, potential hazards, and traffic situations, thereby reducing accidents and improving overall road safety. Additionally, the growing trend towards autonomous vehicles and smart infrastructure further fuels the demand for C-V2X devices.

Another significant market force is the increasing adoption of smart city initiatives globally. As cities strive to become more connected and efficient, the integration of C-V2X technology becomes essential for enabling vehicle-to-infrastructure

communication, traffic management, and enhanced urban mobility solutions. This trend is expected to drive the demand for C-V2X devices in the coming years.

In terms of market trends, one notable development is the integration of C-V2X technology in next-generation vehicles. Automakers are increasingly incorporating C-V2X capabilities into new vehicle models to enable features such as cooperative adaptive cruise control, intersection collision warning, and emergency vehicle preemption. This trend not only enhances vehicle safety but also paves the way for advanced driver assistance systems (ADAS) and autonomous driving functionalities.

Furthermore, the emergence of 5G technology is revolutionizing the C-V2X landscape. 5G networks offer higher bandwidth, lower latency, and increased reliability, making them ideal for supporting C-V2X communication requirements. The deployment of 5G infrastructure worldwide is expected to accelerate the adoption of C-V2X devices and unlock new opportunities for connected vehicle applications.

In terms of regional market distribution, North America and Europe are currently leading markets for C-V2X devices. The dominance of these regions can be attributed to factors such as strong government support for intelligent transportation systems, robust automotive industry presence, and favorable regulatory frameworks promoting C-V2X deployment. Asia-Pacific is also emerging as a significant market due to the rapid urbanization, increasing vehicle sales, and investments in smart city projects.

However, the C-V2X devices market faces challenges such as interoperability issues, regulatory complexities, and concerns regarding data privacy and cybersecurity. Addressing these challenges will be crucial for unlocking the full potential of C-V2X technology and ensuring seamless integration into the connected vehicle ecosystem.

In conclusion, the C-V2X devices market is poised for substantial growth driven by factors such as increasing focus on road safety, smart city initiatives, integration of C-V2X technology in vehicles, and the evolution of 5G networks. As the market continues to expand, stakeholders need to navigate regulatory challenges, promote industry collaboration, and invest in robust cybersecurity measures to capitalize on the opportunities presented by the connected vehicle revolution.

This report provides a deep insight into the global C-V2X Devices market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global C-V2X Devices Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the C-V2X Devices market in any manner.

Global C-V2X Devices Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Askey

Applied

Information

Cohda Wireless

Commsignia

CTAG

Danlaw

Datang Gohigh

Harman

Huawei

Kapsch

Unex Technology

Corp.

SWARCO

ZTE

Yunex-Siemens

Quectel

Harman International

CICTCI

LG Innotek

SimCOM

Neoway Technology

Market Segmentation (by Type)

V2X Onboard Unit

V2X Road Side Units

V2X Module

Market Segmentation (by Application)

Intelligent Driving

Intelligent Transportation

Communications and Entertainment

Geographic Segmentation

North America (USA, Canada, Mexico)

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

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

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

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the C-V2X Devices Market

Overview of the regional outlook of the C-V2X Devices Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the C-V2X Devices Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

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