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Global Vehicle-to-Device (V2D) Communication Market Growth (Status and Outlook) 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Vehicle-to-Device (V2D) Communication market size was valued at US$ 4170.3 million in 2023. With growing demand in downstream market, the Vehicle-to-Device (V2D) Communication is forecast to a readjusted size of US$ 6720.3 million by 2030 with a CAGR of 7.1% during review period.

The research report highlights the growth potential of the global Vehicle-to-Device (V2D) Communication market. Vehicle-to-Device (V2D) Communication are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Vehicle-to-Device (V2D) Communication. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Vehicle-to-Device (V2D) Communication market.

Vehicle to Device (V2D) communication is a DSRC-dependent system that links cars to many external receiving devices but will be particularly designated to two-wheeled commuters. It enables cars to communicate via DSRC with the V2D device on the cycle, sending an alert of traffic ahead. V2D can potentially help prevent accidents.

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

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According to our Communications Research Centre, in 2022, the global communication equipment was valued at US$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ?1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ?1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ?240.2 billion, an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

Key Features:

The report on Vehicle-to-Device (V2D) Communication market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Vehicle-to-Device (V2D) Communication market. It may include historical data, market segmentation by Type (e.g., ICT(Information and Communication Technology) Terminal, PKI (Public Key Infrastructure)), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Vehicle-to-Device (V2D) Communication market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Vehicle-to-Device (V2D) Communication market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Vehicle-to-Device (V2D) Communication industry. This include advancements in Vehicle-to-Device (V2D) Communication technology, Vehicle-to-Device (V2D) Communication new entrants, Vehicle-to-Device (V2D)

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Communication new investment, and other innovations that are shaping the future of Vehicle-to-Device (V2D) Communication.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Vehicle-to-Device (V2D) Communication market. It includes factors influencing customer ' purchasing decisions, preferences for Vehicle-to-Device (V2D) Communication product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Vehicle-to-Device (V2D) Communication market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Vehicle-to-Device (V2D) Communication market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Vehicle-to-Device (V2D) Communication market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Vehicle-to-Device (V2D) Communication industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Vehicle-to-Device (V2D) Communication market.

Market Segmentation:

Vehicle-to-Device (V2D) Communication 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.

Segmentation by type

ICT(Information and Communication Technology) Terminal

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PKI (Public Key Infrastructure)

Information Security Firewall

Segmentation by application

Autopilot

ETC Automatic Charge

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

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- Europe
  - Germany
  - France
  - UK
  - Italy
  - Russia
- Middle East & Africa
  - Egypt
  - South Africa
  - Israel
  - Turkey
  - GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

- Tesla
- Alphabet
- Amazon
- Cohda Wireless
- Aptiv

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Baidu

Intel

Mobileye

Bosch

Cisco

Continental AG

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(2025-2030)

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