

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.

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)

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

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

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

Baidu

Intel

Mobileye

Bosch

Cisco

Continental AG

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Vehicle-to-Device (V2D) Communication Market Size 2019-2030
 - 2.1.2 Vehicle-to-Device (V2D) Communication Market Size CAGR by Region 2019 VS 2023 VS 2030
- 2.2 Vehicle-to-Device (V2D) Communication Segment by Type
 - 2.2.1 ICT(Information and Communication Technology) Terminal
 - 2.2.2 PKI (Public Key Infrastructure)
 - 2.2.3 Information Security Firewall
- 2.3 Vehicle-to-Device (V2D) Communication Market Size by Type
 - 2.3.1 Vehicle-to-Device (V2D) Communication Market Size CAGR by Type (2019 VS 2023 VS 2030)
 - 2.3.2 Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)
- 2.4 Vehicle-to-Device (V2D) Communication Segment by Application
 - 2.4.1 Autopilot
 - 2.4.2 ETC Automatic Charge
- 2.5 Vehicle-to-Device (V2D) Communication Market Size by Application
 - 2.5.1 Vehicle-to-Device (V2D) Communication Market Size CAGR by Application (2019 VS 2023 VS 2030)
 - 2.5.2 Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

3 VEHICLE-TO-DEVICE (V2D) COMMUNICATION MARKET SIZE BY PLAYER

3.1 Vehicle-to-Device (V2D) Communication Market Size Market Share by Players

3.1.1 Global Vehicle-to-Device (V2D) Communication Revenue by Players
(2019-2024)

3.1.2 Global Vehicle-to-Device (V2D) Communication Revenue Market Share by
Players (2019-2024)

3.2 Global Vehicle-to-Device (V2D) Communication Key Players Head office and
Products Offered

3.3 Market Concentration Rate Analysis

3.3.1 Competition Landscape Analysis

3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)

3.4 New Products and Potential Entrants

3.5 Mergers & Acquisitions, Expansion

4 VEHICLE-TO-DEVICE (V2D) COMMUNICATION BY REGIONS

4.1 Vehicle-to-Device (V2D) Communication Market Size by Regions (2019-2024)

4.2 Americas Vehicle-to-Device (V2D) Communication Market Size Growth (2019-2024)

4.3 APAC Vehicle-to-Device (V2D) Communication Market Size Growth (2019-2024)

4.4 Europe Vehicle-to-Device (V2D) Communication Market Size Growth (2019-2024)

4.5 Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size Growth
(2019-2024)

5 AMERICAS

5.1 Americas Vehicle-to-Device (V2D) Communication Market Size by Country
(2019-2024)

5.2 Americas Vehicle-to-Device (V2D) Communication Market Size by Type
(2019-2024)

5.3 Americas Vehicle-to-Device (V2D) Communication Market Size by Application
(2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Vehicle-to-Device (V2D) Communication Market Size by Region (2019-2024)

6.2 APAC Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024)

6.3 APAC Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024)

6.4 China

6.5 Japan

6.6 Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

7 EUROPE

7.1 Europe Vehicle-to-Device (V2D) Communication by Country (2019-2024)

7.2 Europe Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024)

7.3 Europe Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Vehicle-to-Device (V2D) Communication by Region (2019-2024)

8.2 Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024)

8.3 Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 GLOBAL VEHICLE-TO-DEVICE (V2D) COMMUNICATION MARKET FORECAST

10.1 Global Vehicle-to-Device (V2D) Communication Forecast by Regions (2025-2030)

10.1.1 Global Vehicle-to-Device (V2D) Communication Forecast by Regions (2025-2030)

10.1.2 Americas Vehicle-to-Device (V2D) Communication Forecast

10.1.3 APAC Vehicle-to-Device (V2D) Communication Forecast

10.1.4 Europe Vehicle-to-Device (V2D) Communication Forecast

10.1.5 Middle East & Africa Vehicle-to-Device (V2D) Communication Forecast

10.2 Americas Vehicle-to-Device (V2D) Communication Forecast by Country (2025-2030)

10.2.1 United States Vehicle-to-Device (V2D) Communication Market Forecast

10.2.2 Canada Vehicle-to-Device (V2D) Communication Market Forecast

10.2.3 Mexico Vehicle-to-Device (V2D) Communication Market Forecast

10.2.4 Brazil Vehicle-to-Device (V2D) Communication Market Forecast

10.3 APAC Vehicle-to-Device (V2D) Communication Forecast by Region (2025-2030)

10.3.1 China Vehicle-to-Device (V2D) Communication Market Forecast

10.3.2 Japan Vehicle-to-Device (V2D) Communication Market Forecast

10.3.3 Korea Vehicle-to-Device (V2D) Communication Market Forecast

10.3.4 Southeast Asia Vehicle-to-Device (V2D) Communication Market Forecast

10.3.5 India Vehicle-to-Device (V2D) Communication Market Forecast

10.3.6 Australia Vehicle-to-Device (V2D) Communication Market Forecast

10.4 Europe Vehicle-to-Device (V2D) Communication Forecast by Country (2025-2030)

10.4.1 Germany Vehicle-to-Device (V2D) Communication Market Forecast

10.4.2 France Vehicle-to-Device (V2D) Communication Market Forecast

10.4.3 UK Vehicle-to-Device (V2D) Communication Market Forecast

10.4.4 Italy Vehicle-to-Device (V2D) Communication Market Forecast

10.4.5 Russia Vehicle-to-Device (V2D) Communication Market Forecast

10.5 Middle East & Africa Vehicle-to-Device (V2D) Communication Forecast by Region (2025-2030)

10.5.1 Egypt Vehicle-to-Device (V2D) Communication Market Forecast

10.5.2 South Africa Vehicle-to-Device (V2D) Communication Market Forecast

10.5.3 Israel Vehicle-to-Device (V2D) Communication Market Forecast

10.5.4 Turkey Vehicle-to-Device (V2D) Communication Market Forecast

10.5.5 GCC Countries Vehicle-to-Device (V2D) Communication Market Forecast

10.6 Global Vehicle-to-Device (V2D) Communication Forecast by Type (2025-2030)

10.7 Global Vehicle-to-Device (V2D) Communication Forecast by Application

(2025-2030)

11 KEY PLAYERS ANALYSIS

11.1 Tesla

11.1.1 Tesla Company Information

11.1.2 Tesla Vehicle-to-Device (V2D) Communication Product Offered

11.1.3 Tesla Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.1.4 Tesla Main Business Overview

11.1.5 Tesla Latest Developments

11.2 Alphabet

11.2.1 Alphabet Company Information

11.2.2 Alphabet Vehicle-to-Device (V2D) Communication Product Offered

11.2.3 Alphabet Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.2.4 Alphabet Main Business Overview

11.2.5 Alphabet Latest Developments

11.3 Amazon

11.3.1 Amazon Company Information

11.3.2 Amazon Vehicle-to-Device (V2D) Communication Product Offered

11.3.3 Amazon Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.3.4 Amazon Main Business Overview

11.3.5 Amazon Latest Developments

11.4 Cohda Wireless

11.4.1 Cohda Wireless Company Information

11.4.2 Cohda Wireless Vehicle-to-Device (V2D) Communication Product Offered

11.4.3 Cohda Wireless Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.4.4 Cohda Wireless Main Business Overview

11.4.5 Cohda Wireless Latest Developments

11.5 Aptiv

11.5.1 Aptiv Company Information

11.5.2 Aptiv Vehicle-to-Device (V2D) Communication Product Offered

11.5.3 Aptiv Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.5.4 Aptiv Main Business Overview

11.5.5 Aptiv Latest Developments

11.6 Baidu

11.6.1 Baidu Company Information

11.6.2 Baidu Vehicle-to-Device (V2D) Communication Product Offered

11.6.3 Baidu Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.6.4 Baidu Main Business Overview

11.6.5 Baidu Latest Developments

11.7 Intel

11.7.1 Intel Company Information

11.7.2 Intel Vehicle-to-Device (V2D) Communication Product Offered

11.7.3 Intel Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.7.4 Intel Main Business Overview

11.7.5 Intel Latest Developments

11.8 Mobileye

11.8.1 Mobileye Company Information

11.8.2 Mobileye Vehicle-to-Device (V2D) Communication Product Offered

11.8.3 Mobileye Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.8.4 Mobileye Main Business Overview

11.8.5 Mobileye Latest Developments

11.9 Bosch

11.9.1 Bosch Company Information

11.9.2 Bosch Vehicle-to-Device (V2D) Communication Product Offered

11.9.3 Bosch Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.9.4 Bosch Main Business Overview

11.9.5 Bosch Latest Developments

11.10 Cisco

11.10.1 Cisco Company Information

11.10.2 Cisco Vehicle-to-Device (V2D) Communication Product Offered

11.10.3 Cisco Vehicle-to-Device (V2D) Communication Revenue, Gross Margin and Market Share (2019-2024)

11.10.4 Cisco Main Business Overview

11.10.5 Cisco Latest Developments

11.11 Continental AG

11.11.1 Continental AG Company Information

11.11.2 Continental AG Vehicle-to-Device (V2D) Communication Product Offered

11.11.3 Continental AG Vehicle-to-Device (V2D) Communication Revenue, Gross

Margin and Market Share (2019-2024)

11.11.4 Continental AG Main Business Overview

11.11.5 Continental AG Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Vehicle-to-Device (V2D) Communication Market Size CAGR by Region (2019 VS 2023 VS 2030) & (\$ Millions)

Table 2. Major Players of ICT(Information and Communication Technology) Terminal

Table 3. Major Players of PKI (Public Key Infrastructure)

Table 4. Major Players of Information Security Firewall

Table 5. Vehicle-to-Device (V2D) Communication Market Size CAGR by Type (2019 VS 2023 VS 2030) & (\$ Millions)

Table 6. Global Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024) & (\$ Millions)

Table 7. Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Table 8. Vehicle-to-Device (V2D) Communication Market Size CAGR by Application (2019 VS 2023 VS 2030) & (\$ Millions)

Table 9. Global Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024) & (\$ Millions)

Table 10. Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Table 11. Global Vehicle-to-Device (V2D) Communication Revenue by Players (2019-2024) & (\$ Millions)

Table 12. Global Vehicle-to-Device (V2D) Communication Revenue Market Share by Player (2019-2024)

Table 13. Vehicle-to-Device (V2D) Communication Key Players Head office and Products Offered

Table 14. Vehicle-to-Device (V2D) Communication Concentration Ratio (CR3, CR5 and CR10) & (2022-2024)

Table 15. New Products and Potential Entrants

Table 16. Mergers & Acquisitions, Expansion

Table 17. Global Vehicle-to-Device (V2D) Communication Market Size by Regions 2019-2024 & (\$ Millions)

Table 18. Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Regions (2019-2024)

Table 19. Global Vehicle-to-Device (V2D) Communication Revenue by Country/Region (2019-2024) & (\$ millions)

Table 20. Global Vehicle-to-Device (V2D) Communication Revenue Market Share by Country/Region (2019-2024)

Table 21. Americas Vehicle-to-Device (V2D) Communication Market Size by Country (2019-2024) & (\$ Millions)

Table 22. Americas Vehicle-to-Device (V2D) Communication Market Size Market Share by Country (2019-2024)

Table 23. Americas Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024) & (\$ Millions)

Table 24. Americas Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Table 25. Americas Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024) & (\$ Millions)

Table 26. Americas Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Table 27. APAC Vehicle-to-Device (V2D) Communication Market Size by Region (2019-2024) & (\$ Millions)

Table 28. APAC Vehicle-to-Device (V2D) Communication Market Size Market Share by Region (2019-2024)

Table 29. APAC Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024) & (\$ Millions)

Table 30. APAC Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Table 31. APAC Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024) & (\$ Millions)

Table 32. APAC Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Table 33. Europe Vehicle-to-Device (V2D) Communication Market Size by Country (2019-2024) & (\$ Millions)

Table 34. Europe Vehicle-to-Device (V2D) Communication Market Size Market Share by Country (2019-2024)

Table 35. Europe Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024) & (\$ Millions)

Table 36. Europe Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Table 37. Europe Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024) & (\$ Millions)

Table 38. Europe Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Table 39. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size by Region (2019-2024) & (\$ Millions)

Table 40. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size

Market Share by Region (2019-2024)

Table 41. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size by Type (2019-2024) & (\$ Millions)

Table 42. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Table 43. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size by Application (2019-2024) & (\$ Millions)

Table 44. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Table 45. Key Market Drivers & Growth Opportunities of Vehicle-to-Device (V2D) Communication

Table 46. Key Market Challenges & Risks of Vehicle-to-Device (V2D) Communication

Table 47. Key Industry Trends of Vehicle-to-Device (V2D) Communication

Table 48. Global Vehicle-to-Device (V2D) Communication Market Size Forecast by Regions (2025-2030) & (\$ Millions)

Table 49. Global Vehicle-to-Device (V2D) Communication Market Size Market Share Forecast by Regions (2025-2030)

Table 50. Global Vehicle-to-Device (V2D) Communication Market Size Forecast by Type (2025-2030) & (\$ Millions)

Table 51. Global Vehicle-to-Device (V2D) Communication Market Size Forecast by Application (2025-2030) & (\$ Millions)

Table 52. Tesla Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors

Table 53. Tesla Vehicle-to-Device (V2D) Communication Product Offered

Table 54. Tesla Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 55. Tesla Main Business

Table 56. Tesla Latest Developments

Table 57. Alphabet Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors

Table 58. Alphabet Vehicle-to-Device (V2D) Communication Product Offered

Table 59. Alphabet Main Business

Table 60. Alphabet Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 61. Alphabet Latest Developments

Table 62. Amazon Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors

Table 63. Amazon Vehicle-to-Device (V2D) Communication Product Offered

Table 64. Amazon Main Business

Table 65. Amazon Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)
Table 66. Amazon Latest Developments
Table 67. Cohda Wireless Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors
Table 68. Cohda Wireless Vehicle-to-Device (V2D) Communication Product Offered
Table 69. Cohda Wireless Main Business
Table 70. Cohda Wireless Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)
Table 71. Cohda Wireless Latest Developments
Table 72. Aptiv Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors
Table 73. Aptiv Vehicle-to-Device (V2D) Communication Product Offered
Table 74. Aptiv Main Business
Table 75. Aptiv Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)
Table 76. Aptiv Latest Developments
Table 77. Baidu Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors
Table 78. Baidu Vehicle-to-Device (V2D) Communication Product Offered
Table 79. Baidu Main Business
Table 80. Baidu Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)
Table 81. Baidu Latest Developments
Table 82. Intel Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors
Table 83. Intel Vehicle-to-Device (V2D) Communication Product Offered
Table 84. Intel Main Business
Table 85. Intel Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)
Table 86. Intel Latest Developments
Table 87. Mobileye Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors
Table 88. Mobileye Vehicle-to-Device (V2D) Communication Product Offered
Table 89. Mobileye Main Business
Table 90. Mobileye Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)
Table 91. Mobileye Latest Developments
Table 92. Bosch Details, Company Type, Vehicle-to-Device (V2D) Communication Area

Served and Its Competitors

Table 93. Bosch Vehicle-to-Device (V2D) Communication Product Offered

Table 94. Bosch Main Business

Table 95. Bosch Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 96. Bosch Latest Developments

Table 97. Cisco Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors

Table 98. Cisco Vehicle-to-Device (V2D) Communication Product Offered

Table 99. Cisco Main Business

Table 100. Cisco Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 101. Cisco Latest Developments

Table 102. Continental AG Details, Company Type, Vehicle-to-Device (V2D) Communication Area Served and Its Competitors

Table 103. Continental AG Vehicle-to-Device (V2D) Communication Product Offered

Table 104. Continental AG Vehicle-to-Device (V2D) Communication Revenue (\$ million), Gross Margin and Market Share (2019-2024)

Table 105. Continental AG Main Business

Table 106. Continental AG Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Vehicle-to-Device (V2D) Communication Report Years Considered
- Figure 2. Research Objectives
- Figure 3. Research Methodology
- Figure 4. Research Process and Data Source
- Figure 5. Global Vehicle-to-Device (V2D) Communication Market Size Growth Rate 2019-2030 (\$ Millions)
- Figure 6. Vehicle-to-Device (V2D) Communication Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 7. Vehicle-to-Device (V2D) Communication Sales Market Share by Country/Region (2023)
- Figure 8. Vehicle-to-Device (V2D) Communication Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 9. Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Type in 2023
- Figure 10. Vehicle-to-Device (V2D) Communication in Autopilot
- Figure 11. Global Vehicle-to-Device (V2D) Communication Market: Autopilot (2019-2024) & (\$ Millions)
- Figure 12. Vehicle-to-Device (V2D) Communication in ETC Automatic Charge
- Figure 13. Global Vehicle-to-Device (V2D) Communication Market: ETC Automatic Charge (2019-2024) & (\$ Millions)
- Figure 14. Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Application in 2023
- Figure 15. Global Vehicle-to-Device (V2D) Communication Revenue Market Share by Player in 2023
- Figure 16. Global Vehicle-to-Device (V2D) Communication Market Size Market Share by Regions (2019-2024)
- Figure 17. Americas Vehicle-to-Device (V2D) Communication Market Size 2019-2024 (\$ Millions)
- Figure 18. APAC Vehicle-to-Device (V2D) Communication Market Size 2019-2024 (\$ Millions)
- Figure 19. Europe Vehicle-to-Device (V2D) Communication Market Size 2019-2024 (\$ Millions)
- Figure 20. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size 2019-2024 (\$ Millions)
- Figure 21. Americas Vehicle-to-Device (V2D) Communication Value Market Share by

Country in 2023

Figure 22. United States Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 23. Canada Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 24. Mexico Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 25. Brazil Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 26. APAC Vehicle-to-Device (V2D) Communication Market Size Market Share by Region in 2023

Figure 27. APAC Vehicle-to-Device (V2D) Communication Market Size Market Share by Type in 2023

Figure 28. APAC Vehicle-to-Device (V2D) Communication Market Size Market Share by Application in 2023

Figure 29. China Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 30. Japan Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 31. Korea Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 32. Southeast Asia Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 33. India Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 34. Australia Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 35. Europe Vehicle-to-Device (V2D) Communication Market Size Market Share by Country in 2023

Figure 36. Europe Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Figure 37. Europe Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Figure 38. Germany Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 39. France Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 40. UK Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 41. Italy Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 42. Russia Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 43. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size Market Share by Region (2019-2024)

Figure 44. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size Market Share by Type (2019-2024)

Figure 45. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size Market Share by Application (2019-2024)

Figure 46. Egypt Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 47. South Africa Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 48. Israel Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 49. Turkey Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 50. GCC Country Vehicle-to-Device (V2D) Communication Market Size Growth 2019-2024 (\$ Millions)

Figure 51. Americas Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 52. APAC Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 53. Europe Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 54. Middle East & Africa Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 55. United States Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 56. Canada Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 57. Mexico Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 58. Brazil Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 59. China Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 60. Japan Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$

Millions)

Figure 61. Korea Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 62. Southeast Asia Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 63. India Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 64. Australia Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 65. Germany Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 66. France Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 67. UK Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 68. Italy Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 69. Russia Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 70. Spain Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 71. Egypt Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 72. South Africa Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 73. Israel Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 74. Turkey Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 75. GCC Countries Vehicle-to-Device (V2D) Communication Market Size 2025-2030 (\$ Millions)

Figure 76. Global Vehicle-to-Device (V2D) Communication Market Size Market Share Forecast by Type (2025-2030)

Figure 77. Global Vehicle-to-Device (V2D) Communication Market Size Market Share Forecast by Application (2025-2030)

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