

# **Global Internet of Vehicles Market Size study & Forecast, by Solution (On-Vehicle, IoV Management Center), by Networking Technology (Wi-Fi, Bluetooth, Cellular Network), by Communication Type (Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I), Vehicle-to-Pedestrian (V2P), Vehicle-to-Cloud (V2C), Others) and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/G419D61568BFEN.html>

Date: February 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G419D61568BFEN

## **Abstracts**

Global Internet of Vehicles Market is valued at approximately USD 124.82 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 24.65% during the forecast period 2023-2030. The Internet of Vehicles (IoV) refers to a networked system where vehicles are interconnected through the Internet, enabling communication and data exchange between vehicles, infrastructure, and other entities. In an IoV ecosystem, vehicles are equipped with advanced technologies such as sensors, GPS, and communication devices that facilitate real-time data transmission. This interconnected network allows vehicles to share information about their status, location, and environmental conditions, contributing to enhanced safety, traffic management, and overall efficiency in transportation. The Internet of Vehicles Market is expanding because of factors such as the rise in connected and autonomous vehicles, the emergence of smart cities and rising government initiatives for the adoption of Internet of Vehicles for traffic management.

The increasing adoption of connected and autonomous vehicles is a major driver for the Internet of Vehicles. These vehicles rely on real-time data exchange for navigation, traffic management, and collaborative decision-making, contributing to the expansion of the Internet of Vehicles ecosystem. According to Statista, in the year 2019, approximately 31 million cars globally featured some degree of automation. Projections

indicate that this figure is poised to exceed 54 million by the year 2024. In addition, technological innovations and IoT integration and high demand for vehicle telematics are creating new opportunities for the market growth. However, the high implementation costs and security concerns related to data privacy stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Internet of Vehicles Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to increased production of connected vehicles and the expanding infrastructure in the region, Asia Pacific is poised to experience substantial growth. The adoption of advanced mobility technologies in significant automotive markets such as China, India, and other Asian countries contributes to the region's high growth rate. Furthermore, many leading automakers in the market are based in the Asia Pacific region. Europe is expected to grow significantly over the forecast period, owing to factors such as rising adoption of electric vehicles, rising government support to automotive industry, rising investment for automotive production and integration of Internet of things in the industry.

Major market player included in this report are:

Google LLC

Texas Instruments Inc.

Ford Motor Company

Cisco Systems Inc.

SAP SE

International Business Machine Corporation

Audi AG

Apple Inc.

NXP Semiconductors N.V.

Intel Corporation

## Recent Developments in the Market:

In April 2023, Aeris, a company specializing in IoT solutions, successfully acquired the IoT accelerator and connected vehicle cloud divisions from Ericsson. To establish a strategic partnership, Aeris aims to deliver innovative solutions to one of the automotive industry's largest markets, namely the Asia Pacific region.

In February 2023, Qualcomm introduced the latest iteration of the Snapdragon automotive platform, showcasing the company's swiftest modem, the newly unveiled Auto 5G modem. Boasting a 50% increase in processing power and an impressive network capacity of up to 200 MHz, the platform is well-equipped to facilitate low-latency connectivity and support satellite communications.

## Global Internet of Vehicles Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Solution, Networking Technology, Communication Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in

recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Solution:

On-Vehicle

IoV Management Center

By Networking Technology:

Wi-Fi

Bluetooth

Cellular Network

By Communication Type:

Vehicle-to-Vehicle (V2V)

Vehicle-to-Infrastructure (V2I)

Vehicle-to-Pedestrian (V2P)

Vehicle-to-Cloud (V2C)

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Internet of Vehicles Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Internet of Vehicles Market, by Solution, 2020-2030 (USD Billion)
  - 1.2.3. Internet of Vehicles Market, by Networking Technology, 2020-2030 (USD Billion)
  - 1.2.4. Internet of Vehicles Market, by Communication Type, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL INTERNET OF VEHICLES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL INTERNET OF VEHICLES MARKET DYNAMICS

- 3.1. Internet of Vehicles Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rise in connected and autonomous vehicles
    - 3.1.1.2. Emergence of smart cities
    - 3.1.1.3. Rising government initiatives for adoption of internet of vehicles for traffic management.
  - 3.1.2. Market Challenges
    - 3.1.2.1. High implementation costs
    - 3.1.2.2. Security concerns related to data privacy
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Technological innovations and IoT integration
    - 3.1.3.2. High demand for vehicle telematics

## **CHAPTER 4. GLOBAL INTERNET OF VEHICLES MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL INTERNET OF VEHICLES MARKET, BY SOLUTION**

- 5.1. Market Snapshot
- 5.2. Global Internet of Vehicles Market by Solution, Performance - Potential Analysis
- 5.3. Global Internet of Vehicles Market Estimates & Forecasts by Solution 2020-2030 (USD Billion)
- 5.4. Internet of Vehicles Market, Sub Segment Analysis
  - 5.4.1. On-Vehicle
  - 5.4.2. IoV Management Center

## **CHAPTER 6. GLOBAL INTERNET OF VEHICLES MARKET, BY NETWORKING TECHNOLOGY**

- 6.1. Market Snapshot
- 6.2. Global Internet of Vehicles Market by Networking Technology, Performance - Potential Analysis



6.3. Global Internet of Vehicles Market Estimates & Forecasts by Networking Technology 2020-2030 (USD Billion)

6.4. Internet of Vehicles Market, Sub Segment Analysis

6.4.1. Wi-Fi

6.4.2. Bluetooth

6.4.3. Cellular Network

## **CHAPTER 7. GLOBAL INTERNET OF VEHICLES MARKET, BY COMMUNICATION TYPE**

7.1. Market Snapshot

7.2. Global Internet of Vehicles Market by Communication Type, Performance - Potential Analysis

7.3. Global Internet of Vehicles Market Estimates & Forecasts by Communication Type 2020-2030 (USD Billion)

7.4. Internet of Vehicles Market, Sub Segment Analysis

7.4.1. Vehicle-to-Vehicle (V2V)

7.4.2. Vehicle-to-Infrastructure (V2I)

7.4.3. Vehicle-to-Pedestrian (V2P)

7.4.4. Vehicle-to-Cloud (V2C)

7.4.5. Others

## **CHAPTER 8. GLOBAL INTERNET OF VEHICLES MARKET, REGIONAL ANALYSIS**

8.1. Top Leading Countries

8.2. Top Emerging Countries

8.3. Internet of Vehicles Market, Regional Market Snapshot

8.4. North America Internet of Vehicles Market

8.4.1. U.S. Internet of Vehicles Market

8.4.1.1. Solution breakdown estimates & forecasts, 2020-2030

8.4.1.2. Networking Technology breakdown estimates & forecasts, 2020-2030

8.4.1.3. Communication Type breakdown estimates & forecasts, 2020-2030

8.4.2. Canada Internet of Vehicles Market

8.5. Europe Internet of Vehicles Market Snapshot

8.5.1. U.K. Internet of Vehicles Market

8.5.2. Germany Internet of Vehicles Market

8.5.3. France Internet of Vehicles Market

8.5.4. Spain Internet of Vehicles Market

8.5.5. Italy Internet of Vehicles Market

- 8.5.6. Rest of Europe Internet of Vehicles Market
- 8.6. Asia-Pacific Internet of Vehicles Market Snapshot
  - 8.6.1. China Internet of Vehicles Market
  - 8.6.2. India Internet of Vehicles Market
  - 8.6.3. Japan Internet of Vehicles Market
  - 8.6.4. Australia Internet of Vehicles Market
  - 8.6.5. South Korea Internet of Vehicles Market
  - 8.6.6. Rest of Asia Pacific Internet of Vehicles Market
- 8.7. Latin America Internet of Vehicles Market Snapshot
  - 8.7.1. Brazil Internet of Vehicles Market
  - 8.7.2. Mexico Internet of Vehicles Market
- 8.8. Middle East & Africa Internet of Vehicles Market
  - 8.8.1. Saudi Arabia Internet of Vehicles Market
  - 8.8.2. South Africa Internet of Vehicles Market
  - 8.8.3. Rest of Middle East & Africa Internet of Vehicles Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Google LLC
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Recent Developments
  - 9.3.2. Texas Instruments Inc.
  - 9.3.3. Ford Motor Company
  - 9.3.4. Cisco Systems Inc.
  - 9.3.5. SAP SE
  - 9.3.6. International Business Machine Corporation
  - 9.3.7. Audi AG
  - 9.3.8. Apple Inc.
  - 9.3.9. NXP Semiconductors N.V.
  - 9.3.10. Intel Corporation

## **CHAPTER 10. RESEARCH PROCESS**

### 10.1. Research Process

#### 10.1.1. Data Mining

#### 10.1.2. Analysis

#### 10.1.3. Market Estimation

#### 10.1.4. Validation

#### 10.1.5. Publishing

### 10.2. Research Attributes

### 10.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Internet of Vehicles Market, report scope

TABLE 2. Global Internet of Vehicles Market estimates & forecasts by Region  
2020-2030 (USD Billion)

TABLE 3. Global Internet of Vehicles Market estimates & forecasts by Solution  
2020-2030 (USD Billion)

TABLE 4. Global Internet of Vehicles Market estimates & forecasts by Networking  
Technology 2020-2030 (USD Billion)

TABLE 5. Global Internet of Vehicles Market estimates & forecasts by Communication  
Type 2020-2030 (USD Billion)

TABLE 6. Global Internet of Vehicles Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 7. Global Internet of Vehicles Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 8. Global Internet of Vehicles Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 9. Global Internet of Vehicles Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 10. Global Internet of Vehicles Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 11. Global Internet of Vehicles Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 12. Global Internet of Vehicles Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 13. Global Internet of Vehicles Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 14. Global Internet of Vehicles Market by segment, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 15. Global Internet of Vehicles Market by region, estimates & forecasts,  
2020-2030 (USD Billion)

TABLE 16. U.S. Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD  
Billion)

TABLE 17. U.S. Internet of Vehicles Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 18. U.S. Internet of Vehicles Market estimates & forecasts by segment  
2020-2030 (USD Billion)

TABLE 19. Canada Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 39. RoE Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 40. China Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 42. China Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 43. India Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 45. India Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 46. Japan Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 48. Japan Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 49. South Korea Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 51. South Korea Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 52. Australia Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 54. Australia Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 55. RoAPAC Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 57. RoAPAC Internet of Vehicles Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 58. Brazil Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Mexico Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Internet of Vehicles Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Internet of Vehicles Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Internet of Vehicles Market

TABLE 71. List of primary sources, used in the study of global Internet of Vehicles Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Internet of Vehicles Market, research methodology
  - FIG 2. Global Internet of Vehicles Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Internet of Vehicles Market, key trends 2022
  - FIG 5. Global Internet of Vehicles Market, growth prospects 2023-2030
  - FIG 6. Global Internet of Vehicles Market, porters 5 force model
  - FIG 7. Global Internet of Vehicles Market, pest analysis
  - FIG 8. Global Internet of Vehicles Market, value chain analysis
  - FIG 9. Global Internet of Vehicles Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Internet of Vehicles Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Internet of Vehicles Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Internet of Vehicles Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Internet of Vehicles Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Internet of Vehicles Market, regional snapshot 2020 & 2030
  - FIG 15. North America Internet of Vehicles Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Internet of Vehicles Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia pacific Internet of Vehicles Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Internet of Vehicles Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Internet of Vehicles Market 2020 & 2030 (USD Billion)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable



## I would like to order

Product name: Global Internet of Vehicles Market Size study & Forecast, by Solution (On-Vehicle, IoV Management Center), by Networking Technology (Wi-Fi, Bluetooth, Cellular Network), by Communication Type (Vehicle-to-Vehicle (V2V), Vehicle-to-Infrastructure (V2I), Vehicle-to-Pedestrian (V2P), Vehicle-to-Cloud (V2C), Others) and Regional Analysis, 2023-2030

Product link: <https://marketpublishers.com/r/G419D61568BFEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G419D61568BFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970