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Global Connected Car Devices Market Size Study & Forecast, by Communication Type, Connectivity Type, Product Type, Vehicle Type, Electric Vehicle Type, and Regional Forecasts 2025-2035

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Abstracts

The Global Connected Car Devices Market is valued at approximately USD 77.33 billion in 2024 and is poised to register a robust compound annual growth rate of more than 16.30% over the forecast period 2025-2035. Connected car devices, which empower vehicles with real-time communication, data analysis, and automation capabilities, are increasingly reshaping the transportation landscape. These devices facilitate vehicle-to-everything (V2X) interactions—including vehicle-to-vehicle (V2V), vehicle-to-infrastructure (V2I), and vehicle-to-pedestrian (V2P) communications—enhancing road safety, traffic efficiency, and user convenience. The surging adoption of Internet of Things (IoT), coupled with the proliferation of 5G networks and growing emphasis on autonomous and semi-autonomous driving technologies, is propelling market expansion. Simultaneously, stringent government mandates regarding vehicle safety, emissions, and intelligent transport systems are further steering the demand for smart mobility solutions.

As automotive OEMs and tech giants collaborate to transform cars into data-driven platforms, the demand for sophisticated connectivity types such as Dedicated Short Range Communication (DSRC) and Cellular Network technologies continues to escalate. These advancements are revolutionizing in-vehicle experiences by enabling advanced driver assistance systems (ADAS), predictive maintenance, remote diagnostics, and infotainment features. Moreover, the rising penetration of electric vehicles—ranging from Battery Electric Vehicles (BEVs) to Plug-in Hybrid Electric Vehicles (PHEVs)—is compelling automakers to embed cutting-edge telematics and connectivity modules. With the global automotive ecosystem shifting toward connected

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mobility, vehicle-to-cloud services and over-the-air software updates are emerging as pivotal differentiators, spurring investments across startups and established players alike.

Regionally, North America commands a significant share of the connected car devices market, underpinned by its early adoption of high-end automotive technologies, favorable regulatory frameworks, and the presence of key market players. The United States, in particular, has been at the forefront, driven by advanced telematics infrastructure and robust R&D funding. Meanwhile, Europe continues to gain traction, supported by strict vehicle safety norms and the widespread push for smart transportation ecosystems across Germany, the UK, and France. However, Asia Pacific is expected to chart the fastest growth trajectory over the forecast period. Rapid urbanization, increasing disposable incomes, and surging vehicle ownership—especially in China and India—are generating an immense appetite for next-gen mobility solutions. Simultaneously, government initiatives to bolster EV adoption and smart city development are fostering the demand for connected technologies across emerging economies.

Major market players included in this report are:

Bosch Mobility Solutions

Qualcomm Technologies Inc.

Continental AG

Denso Corporation

Aptiv PLC

Harman International

ZF Friedrichshafen AG

Panasonic Corporation

Valeo SA

LG Electronics

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Visteon Corporation

NXP Semiconductors

Tesla Inc.

Intel Corporation

Verizon Communications Inc.

Global Connected Car Devices Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

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

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

Customization Scope – Free report customization (equivalent up to 8 analysts' 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 for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the

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market are explained below:

By Communication Type:

- Vehicle-to-Vehicle (V2V)
- Vehicle-to-Infrastructure (V2I)
- Vehicle-to-Pedestrian (V2P)

By Connectivity Type:

- DSRC (Dedicated Short Range Communication)
- Cellular Network

By Product Type:

- Driver Assistance Systems (DAS)
- Telematics

By Vehicle Type:

- Passenger Cars (PC)
- Light Commercial Vehicles (LCV)
- Heavy Commercial Vehicles (HCV)

By Electric Vehicle Type:

- Battery Electric Vehicle (BEV)
- Hybrid Electric Vehicle (HEV)

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Plug-in Hybrid Electric Vehicle (PHEV)

Fuel Cell Vehicle (FCV)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

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South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035

Annualized revenues and regional level analysis for each market segment

Detailed analysis of geographical landscape with Country level analysis of major regions

Competitive landscape with information on major players in the market

Analysis of key business strategies and recommendations on future market approach

Analysis of competitive structure of the market

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Demand side and supply side analysis of the market

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