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Global Wireless Communication Technology for Vehicles Competitive Landscape Professional Research Report 2025

https://marketpublishers.com/r/W8D011606CCEEN.html
Date: June 2025
Pages: 165
Price: US$ 3,500.00 (Single User License)
ID: W8D011606CCEEN

Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Wireless Communication Technology for Vehicles market size will reach 5,001.84 Million USD in 2025 and is projected to reach 9,255.71 Million USD by 2032, with a CAGR of 9.19% (2025-2032). Notably, the China Wireless Communication Technology for Vehicles market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Wireless communication technology for vehicles encompasses a range of technologies and protocols designed to facilitate communication between vehicles (V2V communication) and between vehicles and infrastructure (V2X communication). These technologies enable vehicles to exchange information wirelessly, enhancing safety, efficiency, and convenience on the road. Key wireless communication technologies for vehicles include Dedicated Short-Range Communications (DSRC), Cellular Vehicle-to-Everything (C-V2X) communication, and Wi-Fi-based protocols such as IEEE 802.11p. DSRC operates in the 5.9 GHz frequency band and is specifically designed for low-latency, high-reliability communication between vehicles and infrastructure elements like traffic lights and road signs. C-V2X, based on cellular networks, allows vehicles to communicate with each other, infrastructure, pedestrians, and cloud services, offering versatility and scalability. Wi-Fi-based protocols like IEEE 802.11p are also used for V2V and V2X communication, providing high-speed data transmission and connectivity. These wireless communication technologies support various applications such as

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collision avoidance, traffic management, autonomous driving, emergency vehicle alerts, and infotainment services, contributing to the development of connected and intelligent transportation systems.

The major global suppliers of Wireless Communication Technology for Vehicles include Continental AG, Qualcomm, NXP Semiconductors, Bosch, HUAWEI, Kapsch, Askey, Ficosa, Savari, LACROIX City, Cohda Wireless, Autotalks, Lear(Arada), Commsignia, HARMAN, Danlaw, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Wireless Communication Technology for Vehicles. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global Wireless Communication Technology for Vehicles market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Wireless Communication Technology for Vehicles market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Wireless Communication Technology for Vehicles industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come

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from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Suppliers of Wireless Communication Technology for Vehicles Include:

Continental AG

Qualcomm

NXP Semiconductors

Bosch

HUAWEI

Kapsch

Askey

Ficosa

Savari

LACROIX City

Cohda Wireless

Autotalks

Lear(Arada)

Commsignia

HARMAN

Danlaw

Wireless Communication Technology for Vehicles Product Segment Include:

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Dedicated Short-range Communication

Mesh

Wireless Communication Technology for Vehicles Product Application Include:

Passenger Car

Commercial Vehicle

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

Chapter 2: Global Wireless Communication Technology for Vehicles Industry PESTEL Analysis

Chapter 3: Global Wireless Communication Technology for Vehicles Industry Porter's Five Forces Analysis

Chapter 4: Global Wireless Communication Technology for Vehicles Major Regional Market Size and Forecast Analysis

Chapter 5: Global Wireless Communication Technology for Vehicles Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Passenger Wireless Communication Technology for Vehicles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Wireless Communication Technology for Vehicles Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

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Contents

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11 MIDDLE EAST & AFRICA

12 COMPETITION BY SUPPLIERS

13 KEY COMPANIES ANALYSIS

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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