

Asia Pacific Connected Vehicle Market Forecast to 2030 - Regional Analysis - by Technology (5G, 4G/LTE, and 3G & 2G), Connectivity (Integrated, Tethered, and Embedded), and Application (Telematics, Infotainment, Driving Assistance, and Others)

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Abstracts

The Asia Pacific connected vehicle market was valued at US\$ 21,660.03 million in 2022 and is expected to reach US\$ 95,193.79 million by 2030; it is estimated to register a CAGR of 20.3% from 2022 to 2030.

Increasing Smart City Initiatives Fuel Asia Pacific Connected Vehicle Market

The impact of smart cities and infrastructure development on the demand for the connected vehicle market in the coming years is poised to be transformative. As cities across the globe continue to evolve into intelligent, tech-driven urban centers, the synergy between these developments and the connected vehicle market is set to shape the future of urban mobility. The growing emphasis on innovative city initiatives drives investments in infrastructure supporting connected vehicles. These investments encompass the deployment of sensors, data networks, and real-time traffic management systems that create a rich ecosystem of data that is favorable for the connected vehicles industry. Such initiatives are positively impacting the overall development and adoption of smart cities. As smart cities increasingly prioritize environmental sustainability, the demand for connected vehicles, particularly electric and hybrid models, is expected to surge. These cities actively promote eco-friendly transportation options to reduce emissions and combat pollution. Connected vehicles play a pivotal role in this endeavor by offering features such as energy management, remote diagnostics, and optimized charging, all of which contribute to a greener, more sustainable urban transportation ecosystem. As cities continue to incentivize and invest

in green mobility solutions, the market demand for connected vehicles with environmentally friendly features is set to grow substantially.

Asia Pacific Connected Vehicle Market Overview

Asia Pacific is home to one of the most dynamic and rapidly evolving automotive industries in the world. As the world's largest and most populous region, it encompasses a diverse landscape of automotive manufacturers, from established giants to emerging players. Within this vibrant sector, the connected vehicle industry is gaining significant traction and reshaping the way people interact with their vehicles and the transportation ecosystem. A blend of innovation, urbanization, and a growing middle-class population characterizes the connected vehicle industry in Asia Pacific. Leading automakers across the region, including Toyota, Hyundai, and BYD, are investing heavily in integrating advanced connectivity features into their vehicles. For instance, Toyota Corporation invested US\$ 600 million in China's mobility technology company, DiDi, Global.

The region is witnessing substantial growth in electric-connected vehicles, with a focus on energy-efficient routing and intelligent charging solutions. Major countries such as China and India are actively promoting electric mobility, providing incentives for electric vehicle adoption, and supporting the development of charging infrastructure. The robust digital infrastructure in the region, including the deployment of 5G networks, further accelerates the growth of the connected vehicle industry. With high-speed, low-latency connectivity, vehicles can access real-time data, receive over-the-air updates, and communicate seamlessly with other vehicles and infrastructure.

Asia Pacific Connected Vehicle Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Connected Vehicle Market Segmentation

The Asia Pacific connected vehicle market is segmented based on technology, connectivity, application, and country.

Based on technology, the Asia Pacific connected vehicle market is categorized into 5G, 4G/LTE, and 3G & 2G. The 4G/LTE segment held the largest market share in 2022.

Based on connectivity, the Asia Pacific connected vehicle market is segmented into integrated, tethered, and embedded. The integrated segment held the largest market share in 2022.

Based on application the Asia Pacific connected vehicle market is categorized into telematics, infotainment, driving assistance, and others. The infotainment segment held the largest market share in 2022.

Based on country, the Asia Pacific connected vehicle market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. China dominated the Asia Pacific connected vehicle market share in 2022.

AT&T, Audi AG, Bayerische Motoren Werke AG, Continental AG, Denso, General Motors Co, Harman International Industries Inc, Robert Bosch GmbH, Visteon Corp, and Vodafone Group Plc are among the leading companies operating in the Asia Pacific connected vehicle market.

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