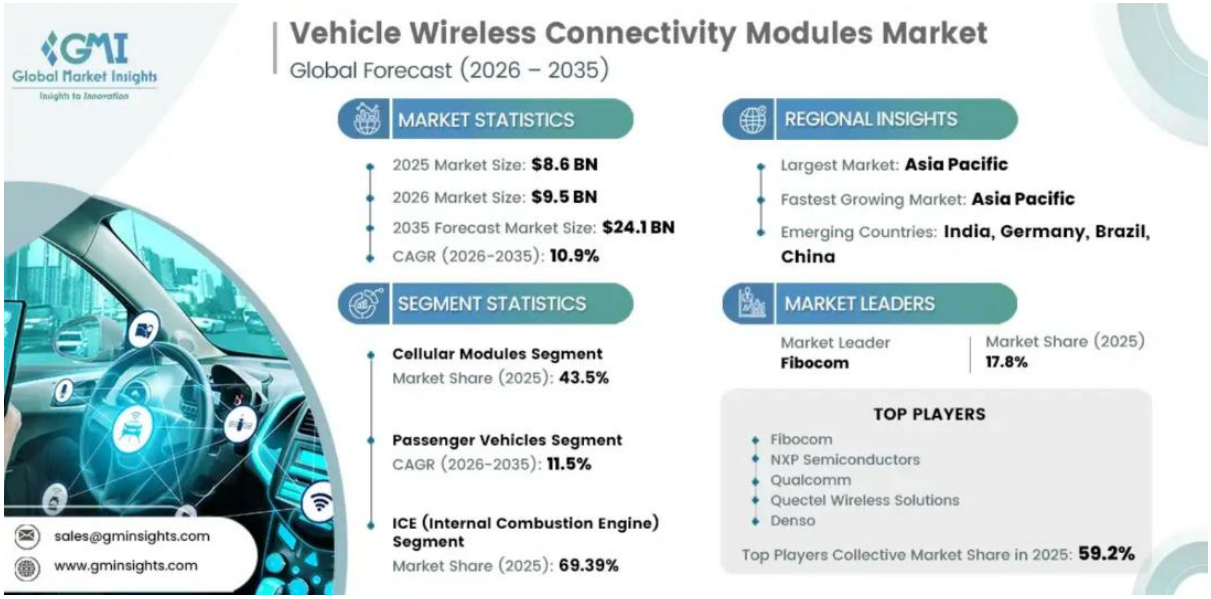
Vehicle Wireless Connectivity Modules Market: Smart Mobility Trends, Regional Outlook and Forecast 2035

The vehicle wireless connectivity modules market was valued at USD 8.6 billion in 2025 and is projected to reach USD 9.5 billion in 2026. The market is expected to grow at a CAGR of 10.9% from 2026 to 2035, reaching USD 24.1 billion by 2035. Asia Pacific held the largest share in 2025 and is also projected to remain the fastest-growing region during the forecast period.

The market is expanding as vehicles increasingly rely on embedded cellular, Wi-Fi, Bluetooth, UWB, V2X, and satellite connectivity for telematics, over-the-air software updates, digital keys, emergency services, infotainment, and advanced driver-assistance functions. Connected-vehicle software, V2X deployment, 5G migration, cybersecurity requirements, and software-update regulations are strengthening demand for high-performance wireless modules. However, integration costs, multi-radio validation, cybersecurity obligations, and regional data-governance requirements continue to challenge suppliers and automakers.



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By connectivity technology, cellular modules represented the largest segment, rising from USD 3.76 billion in 2025 to USD 11.65 billion in 2035 at a CAGR of 12.09%. Wi-Fi modules are projected to increase from USD 1.94 billion in 2025 to USD 4.37 billion by 2035, expanding at an 8.55% CAGR. Bluetooth and BLE modules are forecast to grow from USD 1.71 billion to USD 3.41 billion at a 7.22% CAGR.

V2X modules are projected to expand from USD 0.61 billion in 2025 to USD 2.89 billion by 2035 at a CAGR of 17.01%. UWB modules are expected to record the fastest growth, increasing from USD 0.12 billion to USD 0.96 billion at a 23.42% CAGR. Satellite connectivity modules are projected to rise from USD 0.49 billion to USD 0.84 billion during the same period.

By vehicle type, passenger vehicles accounted for USD 6.31 billion in 2025 and are projected to reach USD 18.52 billion by 2035, expanding at an 11.48% CAGR. Commercial vehicles are expected to grow from USD 2.32 billion to USD 5.60 billion at a 9.29% CAGR, supported by fleet tracking, driver-

behavior monitoring, equipment-health management, dispatch optimization, and recurring telematics services.

By application, telematics and fleet management represented the largest segment at USD 2.29 billion in 2025. Other major applications include in-vehicle infotainment, advanced driver assistance and autonomous-driving connectivity, over-the-air software management, navigation and positioning, vehicle access and smart control, safety and emergency services, and energy and battery management.

Asia Pacific was the largest regional market, increasing from USD 3.66 billion in 2025 to a projected USD 10.83 billion by 2035 at the highest regional CAGR of 11.57%. China, India, Japan, South Korea, Australia, and Southeast Asian markets are supporting growth through high vehicle production, smart-mobility investment, 5G deployment, electric-vehicle adoption, and localized automotive connectivity requirements. North America is projected to grow from USD 2.12 billion in 2025 to USD 5.78 billion in 2035, while Europe is expected to rise from USD 1.70 billion to USD 4.70 billion.

Fibocom led the market with over 17.8% share in 2025. Its position is supported by a broad automotive module portfolio, including cellular and C-V2X solutions, as well as capabilities aligned with connected-vehicle and software-defined vehicle architectures. The top five companies—Fibocom, NXP Semiconductors, Qualcomm, Quectel Wireless Solutions, and Denso—collectively held 59.2% of the market in 2025.

Some of the major players in this market are NXP Semiconductors, Qualcomm, Quectel Wireless Solutions, Denso Corporation, Continental AG, Robert Bosch, HARMAN International, Aptiv, Intel Corporation, Broadcom Inc., Texas Instruments, Telit Cinterion, u-blox, Thales Group, Valeo, ZF Friedrichshafen, and Huawei Technologies.

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