

# Central Vehicle Controller Market Report 2025: Historic And Future Trends, Market Size And Drivers, Industry Leaders

*The Business Research Company's  
Central Vehicle Controller Global Market  
Report 2025 – Market Size, Trends, And  
Global Forecast 2025-2034*

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Central Vehicle Controller Global Market Report 2025

The [central vehicle controller market](#) continues its strong growth trajectory recently, estimated to elevate from \$11.80 billion in 2024 to \$12.96 billion in 2025, accelerating at a compound annual growth rate CAGR of 9.7%. Factors such as increasing demand for electric vehicles, heightened safety and security measures of vehicles, advent of automation in cars, the increasing demand for advanced driver assistance systems ADAS, and rising safety concerns among consumers contribute significantly to this exceptional growth.

How will the [Market Size of the Central Vehicle Controller](#) Transpire in the Coming Years? Expectations for robust growth in the central vehicle controller market remain high as it is on track to reach \$18.66 billion in 2029, surging at a CAGR of 9.6%. The anticipated growth in the forecast period is driven by an increase in the adoption of electric and hybrid vehicles, tightening restrictions concerning CO2 emissions, a rising preference for luxurious and hybrid vehicles, enhanced focus on connectivity, and integration of intelligent vehicle features. Key trends impacting the forecast period include vehicle electrification, collaboration between governments and automotive manufacturers, integration of cybersecurity, adoption of advanced connectivity features, and technological advancements.

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Can the Rising Adoption of Electric Vehicles Accelerate the Growth of the Central Vehicle Controller Market?

The surge in electric vehicle EV adoption is likely to bolster the central vehicle controller market. EVs, powered entirely or partially by electricity, use one or more electric motors for propulsion. Growing environmental concerns and advances in battery technology are driving the adoption of EVs. With climate change and air pollution awareness rising, consumers and governments are shifting towards greener alternatives to traditional gasoline and diesel vehicles. The central vehicle controller plays a fundamental role in managing and integrating the vehicle's key systems such as battery management, motor control, charging, climate control, and safety systems by processing real-time sensor data. For instance, as per the International Energy Agency, electric car sales in 2023 escalated by 3.5 million compared to 2022, accounting for a 35% year-on-year growth, thereby accelerating the growth of the central vehicle controller market.

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Who are the Key Players Operating in the Central Vehicle Controller Market?

The central vehicle controller market is brought to life by major companies such as Robert Bosch GmbH, ZF Friedrichshafen AG, Continental AG, Magna International Inc., Mitsubishi Electric Corporation, Valeo S.A., Texas Instruments Incorporated, Aptiv PLC, STMicroelectronics N.V., Infineon Technologies AG, NXP Semiconductors N.V., Renesas Electronics Corporation, Marelli Holdings Co. Ltd., Vitesco Technologies Group AG, Preh GmbH, EcarX Inc., Hitachi Astemo Ltd., Rimac Automobili d.o.o., KritiKal Solutions, Ecotrons LLC, and Applied Electric Vehicles Inc.

What are the Emerging Trends Influencing the Central Vehicle Controller Market?

Major market players are developing advanced technological solutions like AI-driven centralized computing to increase automation, real-time processing, and power management for smarter mobility. Leveraging AI and high-performance computing, AI-driven centralized computing optimises decision-making and manages various vehicle functions from a single central unit, thereby enabling intelligent decision-making and smooth integration of automated driving, safety, and power management systems. For example, in January 2022, Qualcomm Technologies, Inc., introduced the Snapdragon Ride Vision System, enhancing automated driving AD and advanced driver assistance systems ADAS, manifesting advanced real-time perception, decision-making, and vehicle control capabilities.

How is the Central Vehicle Controller Market Delineated?

The central vehicle controller market report segments this market based on:

- 1 By Component: Hardware, Software
- 2 By Propulsion: Internal Combustion Engine ICE, Electric Vehicles
- 3 By Application: ADAS And Safety System, Body Control And Comfort System, Powertrain Management, Infotainment System, Vehicle Dynamics And Control, Other Applications
- 4 By End-Use: Original Equipment Manufacturer OEM, Aftermarket

The Sub-segments are:

1 By Hardware: Microcontrollers MCUs, System-on-Chip SoC, Power Management Units PMUs, Communication Modules, Sensors And Actuators

2 By Software: Embedded Software, Middleware, Vehicle Control Algorithms, Over-the-Air OTA Update Systems

How is the Central Vehicle Controller Market Positioned Across Different Geographic Regions? Asia-Pacific was the largest region in the central vehicle controller market in 2024. However, North America is forecasted to become the fastest-growing region. The central vehicle controller market report also covers other regions such as Western Europe, Eastern Europe, South America, Middle East, and Africa.

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