

Driving the Future: Automotive Microcontroller Market Set to Hit \$15.77 Billion by 2026 | Allied Market Research

The increased automation has created a huge demand for such microcontrollers, which are responsible for automatic operation of features associated with vehicles

WILMINGTON, NEW CASTLE, DE, UNITED STATES, December 17, 2024 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Automotive Microcontroller Market](#) by Application (Powertrain & Chassis, Safety & Security, Body Electronics and Telematics & Infotainment), Technology

(Park Assist System, Blind Spot Detection System, Adaptive Cruise Control, and Tire Pressure Monitoring System), and Vehicle Type (Passenger ICE Vehicle, Commercial ICE Vehicle, and Electric Vehicle): Global Opportunity Analysis and Industry Forecast, 2019–2026." According to the report, the global automotive microcontroller industry was pegged at \$9.06 billion in 2018, and is expected to hit \$15.77 billion by 2026, registering a CAGR of 7.3% from 2019 to 2026.



Automotive Microcontroller Market Size

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Microcontrollers are compact integrated circuits, which are designed for a specific operation. With the introduction of automation in automobiles, microcontrollers find wide application in them to control various operations associated with autonomous vehicles, thus supplementing the growth of automotive microcontrollers. Automotive microcontrollers include various components such as processors, memory and input & output peripherals, which are integrated on a single chip and are deigned to operate automatic systems of vehicles.

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By application, the powertrain & chassis automotive microcontroller generated the highest revenue in 2018.

By technology, the adaptive cruise control automotive microcontroller generated the highest revenue in 2018.

By vehicle type, the passenger vehicle segment was the highest revenue contributor in 2018. By region, Asia-Pacific contributed the highest automotive microcontroller market revenue in 2018, followed by Europe, North America and LAMEA.

Asia-Pacific is anticipated to exhibit the highest CAGR during the forecast period.

Automotive microcontrollers are widely installed in autonomous and semi-autonomous vehicles that are now equipped with numerous automatic components, such as different sensors and automatic exhaust system. This installation of various products supplements the growth of automotive microcontrollers, thereby supplementing [the automotive microcontroller market growth](#).

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<https://www.alliedmarketresearch.com/purchase-enquiry/A06049>

Current trend for installation of advanced components in vehicles has increased due to their efficient features, which has made them popular among vehicles. This has enabled electronic component manufacturers to develop better and effective microcontroller, which works efficiently thus increasing the automotive microcontroller market share across the globe.

Factors such as rapid development in the automotive industry and high demand for safety features drive the growth of the market. However, factors such as operational failure in extreme climatic conditions and high initial cost and complex structure is supposed to hamper the growth of the automotive microcontroller market. Further, the demand for electric and hybrid vehicles are expected to increase in the future and untapped regions are expected to [create numerous opportunities for the growth and expansion of the market](#).

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- Infineon Technologies AG
- Microchip Technology Inc.
- Cypress Semiconductor Corporation
- NXP Semiconductor N.V.
- Toshiba Corporation
- Renesas Electronic Corporation
- On Semiconductor
- STMicroelectronics
- Texas Instrument Incorporated
- ROHM Semiconductors

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