

Global Automotive Embedded Systems Market to Surpass US\$ 32.51 Billion by 2025

Coherent Market Insights is a market research Publisher which offers report on "Global Automotive Embedded Systems Market to Surpass US\$ 32.51 Billion by 2025"

SEATTLE, WASHINGTON, UNITED STATES, December 18, 2017 /EINPresswire.com/ -- The [automotive embedded systems market](#) was valued at US\$ 19.48 billion in 2016 and is projected to reach US\$ 32.51 billion by 2025, exhibiting a CAGR of 5.7% during the forecast period, according to Automotive Embedded Systems Market, by offering type (embedded hardware and embedded software), by component (sensors, microcontroller unit (MCU), transceivers and integrated circuits), by vehicle type (Internal Combustion Engines (Diesel and Gasoline Vehicles) and Electric Vehicles (Includes BEV, HEV, and PHEV)), by application (electrical and electronics, infotainment and telematics, powertrain and chassis and advanced driver assistance systems), and by region (North America, Europe, Asia Pacific, Latin America, Middle East, and Africa) published by Coherent Market Insights.



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An automotive embedded system is a microcontroller based system to control and access data from sub-systems of the vehicle. Most commonly used embedded systems in a vehicle is embedded navigation system, which includes GPS. This navigational system comprises an embedded circuitry made by a GPS receiver, a gyroscope, a DVD-ROM, main controller, and a display system. Increasing adoption of such technologies in passenger vehicles is expected to aid in growth of the market.

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Automotive embedded systems is a crucial component in improving vehicle performance, safety, and for emission control. In electric vehicles, several electronic components are used such as sensors and microcontrollers for enhanced safety and convenience features such as infotainment, electronic steering, and braking etc. Increasing global warming, rising focus on regulations concerning CO2 emission, dearth of conventional fuels, and increasing fuel prices in turn is creating a highly conducive environment for growth of the electric vehicles (EV) segment. The Department of Heavy Industry (DHI) under the Government of India, along with the Society of Indian Automobile Manufacturers (SIAM), announced the government's plans to bring 6-7 million electric and hybrid vehicles on Indian roads by 2020.

Key Trends and Analysis of the Global Automotive Embedded Systems Market:

Embedded software is expected to be the fastest growing segment in the automotive embedded

system market through 2025. Rising demand for human-machine interface in vehicles is a major factor supporting growth of the automotive embedded software segment.

Advanced Driver Assistance Systems (ADAS) application is expected to be the largest segment in the automotive embedded system market throughout the forecast period. ADAS helps in automatic lighting, enables adaptive cruise control, aid in automatic braking, integrates GPS to issue traffic information, and provides information to maintain lane discipline. Growing consumer inclination towards advanced features in vehicles favors growth of the segment.

Key Takeaways of the Market:

Asia Pacific accounted for largest market share in the automotive embedded systems market in 2016. This is mainly due to increasing vehicle manufacturing and high demand for electric vehicles in countries such as China and Japan. According to the International Energy Agency's Global EV Outlook, China was largest market for electric vehicles in 2016, accounting for over 40% of the electric cars sold globally, which includes over 200 million electric two-wheelers and over 300,000 electric buses.

Low endurance of electronic automotive embedded systems to provide efficient operations in different weather condition over the vehicles life cycle is among the chief factors hampering growth of this market. Development of embedded systems that are highly resistant to weathering and have a long life span would create major growth opportunities for market leaders and new entrants alike to capitalize on rampant growth of the automotive sector worldwide.

To know the latest trends and insights prevalent in this market, click the link below:

<https://www.coherentmarketinsights.com/market-insight/automotive-embedded-systems-market-1088>

Browse 150 market data tables* and 90 figures* on "Automotive Embedded Systems Market" - Global forecast to 2025.

Major players operating in the global automotive embedded systems market are Robert Bosch GmbH, Panasonic Corporation, Toshiba, Continental AG, Denso Corporation, Mitsubishi Electric Corporation, Delphi Automotive LLP, Texas Instruments Incorporated, Infineon Technologies AG, Harman International, NXP Semiconductors N.V., and Johnson Electric.

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