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Automotive Semiconductor Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

The future of the global automotive semiconductor market looks promising with opportunities for passenger cars, commercial, and electric vehicles. The global automotive semiconductor market is expected to reach an estimated $67.5 billion by 2023 with a CAGR of 13.1% from 2018 to 2023. The major growth drivers for this market are increasing vehicle production, increasing electronic content per vehicle, and growing demand for advanced vehicle safety and comfort systems.

Emerging trends, which have a direct impact on the dynamics of the automotive semiconductor industry, include the introduction of high efficiency power semiconductors, and development of smaller single–chips for radar sensors.

A total of 145 figures/charts and 121 tables are provided in this 253 -page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of this automotive semiconductor market report download the report brochure.

automotive semiconductor market by vehicle

automotive semiconductor market
automotive semiconductor manufacturers

The study includes the automotive semiconductor market size and forecast for the global automotive semiconductor market through 2023, segmented by component type, vehicle type, application type, engine type and region, as follows:

Automotive Semiconductor Market by Component Type ($ Million from 2012 to 2023)

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Microcontrollers Integrated Circuits Sensors Discrete Power Others
Automotive Semiconductor Market by Vehicle Type ($ Million from 2012 to 2023)
Small Cars Compact Cars Mid-Size Cars Large Cars SUVs & Crossovers MPVs Pickups HCVs Electric Vehicles Others
Automotive Semiconductor Market by Application ($ Million from 2012 to 2023)
Powertrain Safety Driver Information Systems Body Electronics Chassis Networking/Communication
Automotive Semiconductor Market by Engine Type ($ Million from 2012 to 2023)
ICE Vehicles Electric Vehicles
Automotive Semiconductor Market by Region ($ million from 2012 to 2023)
North America USA Canada Mexico Europe United Kingdom Russia France Germany Spain Asia Pacific China India Japan Indonesia South Korea The Rest of the World Brazil Argentina

Some of the automotive semiconductor companies profiled in this report include NXP semiconductor, Renesas Electronics, ST Microelectronics, Infineon Technologies, Texas Instruments, Robert Bosch, On Semiconductor, Micron Technology, TOSHIBA, and Panasonic Semiconductor Solutions and others.

On the basis of its comprehensive research, Lucintel forecasts that integrated circuits is expected to remain the largest component type due to rapid vehicle electrification, increasing demand for electronics, and growth in vehicle production. The automotive sensor segment is expected to witness the highest growth during the forecast period due to the growth in advanced driver assistance system.

Lucintel forecasts that the powertrain and safety application will show above average growth during the forecast period due to the stringent government regulations for reduced vehicle emissions, and increased passenger safety.

Asia Pacific is expected to remain the largest region and witness the highest growth over the forecast period due to the high vehicle production and increasing awareness for passenger safety.

Some of the features of “Automotive Semiconductor Market Report: Trends, Forecast and Competitive Analysis” Include:

Market size estimates: Global automotive semiconductor market size estimation in terms of value ($M) shipment.Trend and forecast analysis: Market trend (2012-2017) and forecast (2018-2023) by application, and end use industry.Segmentation analysis:

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Global automotive semiconductor market size by various applications such as component, vehicle, application, and engine type in terms of value and volume shipment.Regional analysis: Global automotive semiconductor market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.Growth opportunities: Analysis on growth opportunities in different applications and regions for automotive semiconductor in the global automotive semiconductor market.Strategic analysis: This includes M&A, new product development, and competitive landscape for automotive semiconductor in the global automotive semiconductor market. Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high growth opportunities for the automotive semiconductor market by component type (microcontrollers, integrated circuits, sensors, discrete power, and others), vehicle type (small cars, compact cars, mid-Size cars, large cars, SUVs and crossovers, MPVs, pickups, HCVs, electric vehicles, and others), application type (Powertrain, safety, driver information systems, body electronics chassis, and networking/communication), engine type (ICE vehicles and electric vehicles) and region (North America, Europe, Asia Pacific, and the Rest of the World)?
Q.2. Which segments will grow at a faster pace and why?
Q.3. Which region will grow at a faster pace and why?
Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this automotive semiconductor market?
Q.5. What are the business risks and competitive threats in this automotive semiconductor market?
Q.6. What are the emerging trends in this automotive semiconductor market and the reasons behind them?
Q.7. What are some of the changing demands of customers in the automotive semiconductor market?
Q.8. What are the new developments in the automotive semiconductor market? Which companies are leading these developments?
Q.9. Who are the major players in this automotive semiconductor market? What strategic initiatives are key players pursuing for business growth?
Q.10. What are some of the competing products in this automotive semiconductor market and how big of a threat do they pose for loss of market share by material or product substitution?
Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the automotive semiconductor industry?

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