

Automotive Electronic Control Unit (ECU) Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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Automotive ECU Market Trends and Forecast

The future of the global automotive ECU market looks promising with opportunities in the passenger car, light commercial vehicle, and heavy commercial vehicle segments. The global automotive ECU market is expected to reach an estimated \$62.4 billion by 2027 and it is forecast to grow at a CAGR of 8.2% from 2021 to 2027. The major drivers of growth for this market are increasing electronic content per vehicle, increasing vehicle production, and increased stringent government regulations for passenger safety.

Emerging Trends in the Automotive ECU Market

Emerging trends, which have a direct impact on the dynamics of the industry, include the integration of multiple ECUs to reduce cost, and the development of ECUs for autonomous driving.

A total of 128 figures / charts and 100 tables are provided in this 194-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global automotive ECU market report, please download the report brochure.

Automotive ECU Market by Segments

Lucintel forecasts that powertrain segment will remain the largest segment by application, and safety and security is expected to witness the highest growth over the forecast period. The study includes trends and forecast for the global automotive ECU market by application, vehicle type, end user, and region, as follows:

Automotive ECU Market by Application (\$ Billion Shipment Analysis from 2016 to 2027):

Powertrain

Entertainment

Safety and security

Chassis electronics

Communication and Navigation

Automotive ECU Market by Vehicle Type [Value (\$ Billion) and Volume (Million Units) from 2016 to 2027]:

Passenger Car

Light Commercial Vehicle

Heavy Commercial Vehicle

Automotive ECU Market by End User (\$ Billion Shipment Analysis from 2016 to 2027):

OEM

Aftermarket

Automotive ECU Market by Region[Value (\$ Billion) and Volume (Million Units) from 2016 to 2027]:

North America

o US

o Canada

o Mexico

Europe

o Germany

o France

o Russia

o United Kingdom

Asia Pacific

o China

o Japan

o South Korea

o India

o Indonesia

The Rest of the World

o Brazil

o Argentina

List of Automotive ECU Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies automotive ECU companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the automotive ECU companies profiled in this report includes.

ZF TRW Automotive Holding Corp

Continental AG

Robert Bosch GmbH

Denso Corporation

Delphi Automotive PLC

Automotive ECU Market Insights

Lucintel forecasts that powertrain will remain the largest segment due to increasing penetration of powertrain control module in premium vehicles, which will foster growth opportunity in this segment

Asia Pacific is expected to remain the largest market and is are expected to witness significant growth over the forecast period due to increasing vehicle production, more government regulations for vehicle safety features, and additional investment by the industry players within the APAC region.

Features of the Global Automotive ECU Market

Market Size Estimates: Global automotive ECU market size estimation in terms of value (\$B) and volume (Million Units) shipment.

Trend and Forecast Analysis: Market trends (2016-2021) and forecast

(2022-2027) by various segments.

Segmentation Analysis: Global automotive ECU market size by various segments, such as by vehicle type in terms of value and volume.

Regional Analysis: Global automotive ECU market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different segments by application, vehicle type, end user, and regions for the global automotive ECU market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global automotive ECU market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model

FAQ

Q1. What is the automotive ECU market size?

Answer: The global automotive ECU market is expected to reach an estimated \$62.4 billion by 2027.

Q2. What is the growth forecast for automotive ECU market?

Answer: The automotive ECU market is expected to grow at a CAGR of 8.2% from 2021 to 2027.

Q3. What are the major drivers influencing the growth of the automotive ECU market?

Answer: The major drivers for this market are increasing electronic content per vehicle, increasing vehicle production, and increased stringent government regulations for passenger safety.

Q4. What are the major vehicle type or end use industries for automotive ECU?

Answer: Passenger car is the major segment by vehicle type for automotive ECU.

Q5. What are the emerging trends in automotive ECU market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include the integration of multiple ECUs to reduce cost, and the development of ECUs for autonomous driving.

Q6. Who are the key automotive ECU companies?

Answer: Some of the key automotive ECU companies are as follows:

ZF TRW Automotive Holding Corp

Continental AG

Robert Bosch GmbH

Denso Corporation

Delphi Automotive PLC

Q7. Which automotive ECU product segment will be the largest in future?

Answer: Lucintel forecasts that powertrain will remain the largest segment due to increasing penetration of powertrain control module in premium vehicles, which will foster growth opportunity in this segment.

Q8: In automotive ECU market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to remain the largest market and is are expected to witness significant growth over the forecast period due to increasing vehicle production, more government regulations for vehicle safety features, and additional investment by the industry players within the APAC region.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising growth opportunities for the global automotive ECU market by application (powertrain, entertainment, safety and security, chassis electronics, and communication and navigation), by vehicle type (passenger car, light commercial vehicle, and heavy commercial vehicle), end user (OEM and aftermarket), 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 drivers and challenges, and business risks in this market?

Q.5 What are the business risks and competitive threats in this market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are some of the changing demands of customers in the market?

Q.8 What are the new developments in the market and which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being taken by key players for business growth?

Q.10 What are some of the competing products in this market and how big of a threat do they pose for loss of market share by product substitution?

Q.11 What M&A activity has occurred in the last five years?

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7.8: Mitsubishi Electric co.

7.9: ZF TRW Automotive

7.10: Magneti Marelli

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