

Global Automotive Electronic Control Unit (ECU) Market Size study, by Technology (Transmission Control System, Engine Management System, Antilock Braking System, Climate Control System, Power Steering System, Others), by Application (Utility Vehicles, Passenger Cars, Commercial Vehicles) and Regional Forecasts 2020-2027

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Abstracts

Global Automotive Electronic Control Unit (ECU) Market is valued at approximately USD 41.3 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 6.6% over the forecast period 2020-2027. An electronic control unit (ECU), also referred to as an electronic control module (ECM), is a type of embedded system in automotive electronics that regulates one or more of the electrical systems in a vehicle. Nowadays, vehicles integrated with 100 ECUs or more, managing functions that range from the vital (such as engine and power steering control) to comfort (like power windows, HVAC, and seats), to security and access (e.g., keyless entry and door locks). These systems also capable to control passive safety features, including airbags, and even fundamental active safety features, for example, automatic emergency braking. This factor may strengthen the adoption for automotive ECU across the globe. Moreover, the surge in sales and production of passenger cars and commercial vehicles, stringent government norms and regulation concerning occupant safety, and technological advancements in automotive electronics industry are the few factors responsible for the high CAGR of the market during the forecast period. According to the International Organization of Motor Vehicle Manufacturers (OICA), the passenger cars production in Asia accounted at around 43.4 million in 2018, signifying an increase from 24.6 million units in 2008. Similarly, the OICA also estimated that the production of commercial vehicle in America was stood at around 11 million units in 2017 and is



increased to nearly 12 million units in 2018. This, in turn, is likely to strengthen the demand for Automotive Electronic Control Unit (ECU), thereby contributing to the market growth around the world. However, the increasing design complexities and high ECU repair cost are the few factors restraining the market growth over the forecast period of 2020-2027.

The regional analysis of the global Automotive Electronic Control Unit (ECU) market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia-Pacific is the leading/significant region across the world in terms of market share owing to the rising government support to implement automotive electronic control unit (ECU), along with the wide presence of market vendors in the region. Whereas Asia-Pacific is anticipated to exhibit the highest growth rate / CAGR over the forecast period 2020-2027. Factors such as the rise in production of passenger vehicles and luxury cars coupled with stringent government norms concerning passenger safety in the developing nations, such as China and India, are the few factors creating a lucrative opportunity for the growth of the automotive electronic control unit (ECU) market in the Asia-Pacific region.

Major market player included in this report are:

Continental AG Denso Corporation Robert Bosch GmbH Delphi Automotive PLC Hyundai Mobis Co. Ltd. Panasonic Corporation Lear Corporation Hitachi Automotive Systems Ltd. Magneti Marelli Spa Pektron Group Limited

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:



By Technology: Transmission Control System Engine Management System Antilock Braking System Climate Control System Power Steering System Others

By Application: Utility Vehicles Passenger Cars Commercial Vehicles

By Region: North America U.S. Canada Europe UK Germany France Spain Italy ROE

Asia Pacific China India Japan Australia South Korea RoAPAC Latin America Brazil Mexico Rest of the World

Furthermore, years considered for the study are as follows:



Historical year – 2017, 2018 Base year – 2019 Forecast period – 2020 to 2027

Target Audience of the Global Automotive Electronic Control Unit (ECU) Market in Market Study:

Key Consulting Companies & Advisors Large, medium-sized, and small enterprises Venture capitalists Value-Added Resellers (VARs) Third-party knowledge providers Investment bankers Investors



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