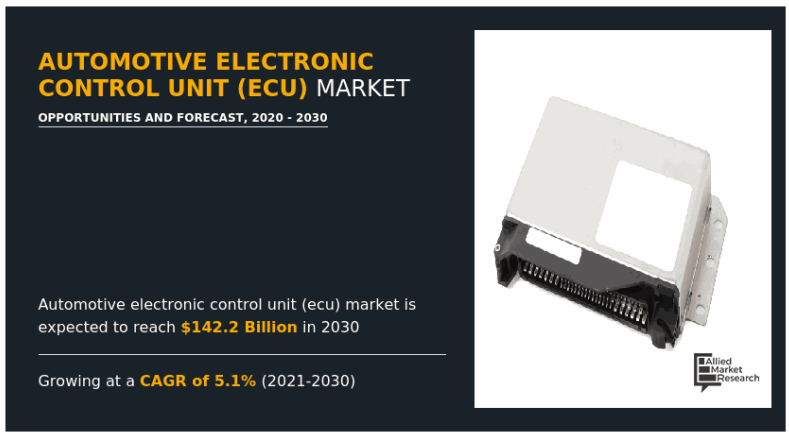
Revving Up : Automotive Electronic Control Unit (ECU) Market Projected to Hit $142.2 Billion by 2030

OREGAON, PORTLAND, UNITED STATES , February 12, 2024 /EINPresswire.com/ -- According to the report published by Allied Market Research, the global automotive ECU market generated $87.6 billion in 2020, and is projected to reach $142.1 billion by 2030, witnessing a CAGR of 5.1% from 2021 to 2030. The report provides a detailed analysis of changing market dynamics, top segments, value chain, key investment pockets, regional scenario, and competitive landscape.



Automotive Electronic Control Unit (ECU) Market Size

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The report offers detailed segmentation of the global automotive ECU market based on technology, application, mode, capacity, and region.

Based on technology, the powertrain segment held the highest market share in 2020, holding more than one-fourth of the total market share, and is expected to continue its leadership status during the forecast period. However, the ADAS segment is estimated to register the highest CAGR of 6.4% from 2021 to 2030.

Based on mode, the conventional segment held the largest market share in 2020, holding more than half of the total market share, and is expected to continue its leadership status during the forecast period. However, the autonomous segment is projected to register the highest CAGR of 5.9% from 2021 to 2030.

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https://www.alliedmarketresearch.com/automotive-electronic-control-unit-ecu-market/purchase-options

Based on region, North America contributed to the highest share in terms of revenue in 2020, holding nearly two-fifths of the total market share, and is estimated to continue its dominant share by 2030. Moreover, Asia-Pacific is projected to manifest the fastest CAGR of 6.3% during the forecast period.

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□□The COVID-19 crisis created uncertainty in every market, including the automotive sector. The closure of assembly plants and large-scale manufacturing interruptions has led to the decline in global demand for automobiles, indirectly affecting the automotive electronic control unit (ECU) market.
□□Governments across different regions announced total lockdown and temporary shutdown of industries, followed by the closures of national & international borders that restricted the movement of transportation & logistics services.
□□Furthermore, the pandemic interrupted the mass manufacturing throughout Europe, closure of U.S assembly plants, and interruption of Chinese parts exportation, which caused a severe burden on the key players leading to merger & acquisition activities.
□□However, the overall service activities of market players registered a steady and favorable recovery in the subsequent months with the increase in the sales of passenger cars, which leads to a rise in the demand of the automotive electronic control unit (ECU) market.
□□As per the current scenario, the overall world is getting back on track slowly; with the new restriction and policies and a significant recovery in product sales across the retail sector, owing to the demand for electric vehicles, which positively influence the automotive electronic control unit (ECU) market.

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https://www.alliedmarketresearch.com/anti-lock-braking-system-ABS-market - Anti-lock Braking System Market Size, Share, Competitive Landscape and Trend Analysis Report by Sub-System (Sensors, Electronic Control Unit (ECU), and Hydraulic Unit) and Vehicle Type (Two-Wheeler, Passenger Car, and Commercial Vehicles): Global Opportunity Analysis and Industry Forecast, 2019-2026

https://www.alliedmarketresearch.com/air-suspension-market - Air Suspension Market Size, Share, Competitive Landscape and Trend Analysis Report by Vehicle Type (Light Duty Vehicle, Trucks, and Bus), Component (Air Spring, Tank, Solenoid Valve, Shock Absorber, Air Compressor, Electronic Control Unit (ECU), Height & Pressure Sensor, and Others), Technology Type (Electronic Controlled and Non-Electronic Controlled), and Sales Channel (Original Equipment Manufacturers (OEMs) and Aftermarket): Global Opportunity Analysis and Industry Forecast, 2018-2026

https://www.alliedmarketresearch.com/drive-by-wire-market - Drive by Wire Market Size, Share, Competitive Landscape and Trend Analysis Report by Application (Throttle By Wire, Shift By Wire, Brake By Wire, Park By Wire, and Steer By Wire), Vehicle Type (Passenger Car, Commercial Vehicle, Electric Vehicle, and Off-highway Vehicles) and Component (Actuator, Electronic Control Unit (ECU), Engine Control Module (ECM), Electronic Throttle Control Module (ETCM), Electronic Transmission Control Unit (ETCU), Feedback Motor, Parking Pawl, Sensors, and Others): Global Opportunity Analysis and Industry Forecast, 2019-2026

https://www.alliedmarketresearch.com/automotive-electric-power-steering-market-A07236 - Automotive Electric Power Steering Market Size, Share, Competitive Landscape and Trend Analysis Report by Type (Column Electric Power Steering, Rack Electric Power Steering, Pinion Electric Power Steering), by Vehicle Type (Passenger Cars, Commercial Vehicles), by Propulsion Type (ICE, Electric), by Component (Electric Control Unit, Electric Motor, Rack and Pinion, Steering Column, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

https://www.alliedmarketresearch.com/electrical-park-brake-market-A08756 - Electrical Park Brake (EPB) Market Size, Share, Competitive Landscape and Trend Analysis Report by Vehicle Type (Electric-hydraulic Caliper Systems, Cable-pull Systems), by Component (CaliperIntegrated System, Electronic Control Unit, Sensors, Actuators) and by Application (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles): Global Opportunity Analysis and Industry Forecast, 2023-2032

https://www.alliedmarketresearch.com/car-reversing-aid-systems-market-A10115 - Car Reversing Aid Systems Market Size, Share, Competitive Landscape and Trend Analysis Report by Type (Guided Park Assist, Smart parking), by Component (Parking Sensors, Steering Angle Sensors, Electronic Control Unit (ECU), Display Unit), by Technology (Ultrasonic Sensor, Radar Sensor, Image Sensor) and by Solution (Security and Surveillance , Parking Reservation Management, Valet Parking Management, License Plate Recognition): Global Opportunity Analysis and Industry Forecast, 2023-2032

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