Embedded Systems in Automobiles Market Next Big Thing | Prominent Companies Denso Corporation, NXP Semiconductors

Embedded systems in automobiles market opportunity analysis & forecast 2021-2030. The global market segmented by product, type, component, application & region.

PORTLAND, ORAGON, UNITED STATES, November 17, 2021 /EINPresswire.com/ -- Embedded Systems in Automobiles Market Outlook 2030 -

Embedded system are a combination of computer hardware and software with dedicated function used to maximize efficiency and reduce pollution. Embedded system is an integral part of automobile safety system, it is used in anti-lock braking system, electronic stability control, traction control, and automatic four-wheel drive. The embedded system hardware includes microcontroller, integrated circuit, central processing unit, and others and the software include operating system such as linux, windows, java, and others. Embedded system improves the reliability, adaptability, strength, speed, precision, and performance of the vehicles. The use of smart products, GPS, parking sensors and multimedia products, and government policies for controlling emission & increase fuel efficiency has helped in the market growth. Moreover, the recent shift towards electric and hybrid vehicles has shifted the focus towards the safety feature of vehicle and reducing the weight.

Browse Full Report with TOC @

https://www.alliedmarketresearch.com/embedded-systems-in-automobiles-market-A12177

The key players analyzed in the report include Robert Bosch GmbH, Continental AG, Panasonic Corporation, Texas Instruments, Mitsubishi Electric Corporation, Denso Corporation, NXP Semiconductors, Infineon Technologies, Panasonic Corporation, and Delphi Technologies

COVID-19 Impact Analysis:

The suppliers of automotive smart antenna industry across the globe are being affected severely due to the restrictions and lockdown leading to a halt in automobile productions. As, the governments all over the world have declared lockdowns over the past few months, the demand and supply cycle of embedded systems has become vulnerable. COVID-19 pandemic not only affected the industry operations it also affected the companies using these products and solutions. The low demand for consumer electric product had a global impact on semiconductor industry because of the lockdown. Moreover, the shortage of semiconductor during COVID-19 had delayed the deliveries of vehicles and disrupted embedded system manufacturing. It is predicted that the ongoing pandemic will affect the global demand and export shipments for automotive vehicles thus affecting the semiconductor industry and lowering the demand for embedded system in automobile market.

Top Impacting Factors

Rise in demand for automation, rise in focus on vehicle safety features, and rise in demand for electric vehicle is expected to drive growth of the market.
However, shorter life of automobile embedded system and rise in cost of embedded system will hamper the growth of the market.
Moreover, rise in trend of vehicle electrification, extensive R&D of autonomous vehicle and rise in demand for fuel efficient vehicles acts as an opportunity for growth of the market.

Market Trends

Rise in focus on vehicle safety features

The increase in consumer awareness about vehicle safety and stringent safety norms laid by the government have a positive impact on the embedded system market in automobile. The various features of embedded system are antilock braking system (ABS), electronic brake-force distribution (EBD), and airbags which provide safety to the passengers in travelling in the vehicle. For instance. in India, from April 2019 ABS was made compulsory for the vehicles and from April 2021 dual airbags have been made compulsory in the passenger cars. Also, features such as advance driver assistance system (ADAS), electronic stability control (ESC), electronic steering system, and others have an increase in demand across the globe. Furthermore, due to technological advances and expansion of ADAS ecology has made it easier for OEMs to introduce the embedded system in normal passenger vehicles. Thus, all the new technological advancement is expected to drive the growth of embedded systems in automobile market.

Key Benefits of the Report:

This study presents the analytical depiction of the embedded systems in automobiles market along with the current trends and future estimations to determine the imminent investment pockets.
The report presents information related to key drivers, restraints, and opportunities along with challenges of the embedded systems in automobiles market.
The current market is quantitatively analyzed from 2020 to 2030 to highlight the embedded systems in automobiles market growth scenario.
The report provides detailed embedded systems in automobiles market analysis based on competitive intensity and how the competition will take shape in coming years.

Questions answered in the embedded systems in automobiles market research report:

Which are the leading market players active in the embedded systems in automobiles market?
What would be the detailed impact of COVID-19 on the market?
What current trends would influence the market in the next few years?
What are the driving factors, restraints, and opportunities in the embedded systems in automobiles market?
What are the projections for the future that would help in taking further strategic steps?

About Us

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of “Market Research Reports” and “Business Intelligence Solutions.” AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Allied Market Research CEO Pawan Kumar is instrumental in inspiring and encouraging everyone associated with the company to maintain high quality of data and help clients in every way possible to achieve success. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Analytics LLP
+ +1 8007925285
email us here
Visit us on social media:
Facebook
Twitter
LinkedIn
