Automotive Hypervisor Industry to Witness 31.9% CAGR, Reaching $2,037.60 Million by 2030

WILMINGTON, NEW CASTLE, DE, UNITED STATES, February 12, 2025 /EINPresswire.com/ -- According to a recent report published by Allied Market Research, titled, "Automotive Hypervisor Market by Vehicle Type, Type, Level of Automation and Vehicle Class: Global Opportunity Analysis and Industry Forecast, 2021–2030," the global automotive hypervisor market size was valued at $131.20 million in 2020, and is projected to reach $2,037.60 million by 2030, registering a CAGR of 31.9% from 2021 to 2030.

North America dominates the market in terms of revenue, followed by Europe, Asia-Pacific and LAMEA. U.S. dominated the global automotive hypervisor market share in 2020. Mexico is expected to grow at a significant rate during the forecast period, owing to increase in demand for vehicles equipped with advanced features across the region.

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Hypervisor is a virtualization process of hardware that is used to build and operate virtual machines. It consists of a host and a guest machine where different guests can operate using the same host. Automotive hypervisor is an advance embedded technology which is widely used in vehicle infotainment application in the automotive industry. This technology involves visual assistance and virtualization of several hardware devices which can access the operating system via commonly connected devices.

Earlier, numerous vehicle functionalities were performed through multiple hardware systems which increased the ownership cost. Thus, hypervisor uses single embedded platform with high-power processor which solves lot of problems such as operational & security risks and lowers the cost of vehicle. The increasing demand of advanced features in vehicles is further creating more opportunities for the OEMs to expand their presence globally driving the growth of the automotive hypervisor market.

Numerous developments that are carried out by top manufacturers such as IBM, BlackBerry, Green Hills Panasonic Corporation and others toward the introduction of numerous infotainment & telematics features in vehicles has also created a wider space for growth of the automotive hypervisor market. Moreover, with launch of autonomous vehicles, demand for

different safety technologies is expected to increase, which is expected to create numerous opportunities for operating companies to develop advanced products that leads to the growth of the market.

The global automotive hypervisor market is segmented into vehicle type, type, level of automation, vehicle class and region. Based on vehicle type, the market has been segmented into passenger cars, light commercial vehicles and heavy commercial vehicles. Based on type, the automotive hypervisor market has been segmented into Type 1 and Type 2. Based on the level of automation, the market has been segmented into semi-autonomous and fully autonomous. Based on the vehicle class, the market has been segmented into mid-priced and luxury. By region, the global market is analyzed across into North America, Europe, Asia-Pacific and LAMEA.

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https://www.alliedmarketresearch.com/automotive-hypervisor-market/purchase-options

Factors such as growth of connected infrastructure, adoption of ADAS features in vehicles and intervention of innovative technologies for advanced user interface (UI) supplements the growth of the global automotive hypervisor market. Moreover, the factors such as high manufacturing cost and troubleshooting & maintenance of automotive software hampers the growth of the global automotive hypervisor market.

However, the factors such as improved performance of autonomous vehicles and data monetization in extended automotive ecosystem are the factors that are expected to create a positive impact on the growth of automotive hypervisor market in the near future.

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By vehicle type, the heavy commercial vehicles segment is expected to register a significant growth during the forecast period.

Depending on level of automation, the fully-autonomous segment is anticipated to exhibit significant growth in the near future.

Depending on vehicle class, the luxury segment is anticipated to exhibit significant growth in the near future.

Asia-Pacific is anticipated to register the highest CAGR.

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COVID-19 has presented the world with an unprecedented economic, humanitarian, and healthcare challenge.

It has also affected general lifestyle and behavior pertaining to travel, consumption of goods, and services as well as working style of individuals.

Moreover, owing to the pandemic and its rapid spread across the globe, demand & supply chain for numerous products came to a halt due to unavailability of transportation medium.

This has increased demand for electric vehicles and resulted in the electric vehicle industry to witness lucrative growth at the end of 2020.

Moreover, numerous companies, which are inclined toward production of advanced technologies to be used in vehicles have carried out numerous developmental strategies such as agreements, expansions, product developments, and product launches.

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The key players operating in the global automotive hypervisor market includes BlackBerry, Green Hills, IBM, NXP Semiconductors, Panasonic Corporation, Renesas Electronic Corporation, Sasken, Siemens AG, Visteon and Wind River.

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David Correa
Allied Market Research
+ + 1 800-792-5285
email us here
Visit us on social media:
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