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Automotive Hypervisor - Global Market Outlook (2020-2028)

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Abstracts

According to Stratistics MRC, the Global Automotive Hypervisor Market is accounted for $167.49 million in 2020 and is expected to reach $1,470.45 million by 2028 growing at a CAGR of 31.2% during the forecast period. Increasing complexity of electrical/electronic (E/E) architecture in modern vehicles, integration of various automotive applications to support centralized function, and increasing adoption of connected cars and advanced automotive technologies are the major factors propelling the market growth. However, lack of standard protocols to develop software platforms for automotive applications and lower implementation of technology in economy vehicles are hampering the market growth.

Hypervisor is the virtualization process of hardware that is used to build and operate virtual machines. It consists of the host machine and the guest machine, allowing the different guest operating systems to operate on the same host device at a time. This method isolates the computer's operating system from the actual hardware system. The hypervisor is an embedded technology that has been widely used for the in-vehicle infotainment application in the automotive industry. It is a hardware virtualization technology capable of running multiple virtual machines through operating system (OS) on a host system.

Based on vehicle type, the passenger car segment is going to have a lucrative growth during the forecast period owing to the inclination towards the virtualization technology which is presently adopted in passenger cars. The number of connected passenger vehicles is more compared to commercial vehicles installed with hypervisor technology, which has resulted in a greater market share. Also, connected passenger cars are expected to be the ultimate Internet of Things (IoT) in the coming years which further boosts the hypervisor market. A majority of in-vehicle systems and an increasingly wide

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range of external networks such as Wi-Fi, cellular, and the internet are driving the market for automotive hypervisor in the passenger car segment.

By geography, Asia Pacific is going to have a lucrative growth during the forecast period due to the increasing per capita income in emerging economies such as China and India. This is expected to lead to increased sales of passenger cars, subsequently propelling the growth of the market. The low costs of labor for mass production of vehicles have encouraged manufacturers to set up production plants in this region. Moreover, the entries of local players with innovative models in the developing markets are expected to further drive the growth of the Asia Pacific regional market.

Some of the key players profiled in the Automotive Hypervisor Market include BlackBerry, Continental AG, DENSO Corporation, Green Hills Software, Hangsheng Technology GmbH, Harman International, IBM Corporation, Luxoft, Nutanix, NXP Semiconductors, OpenSynergy GmbH, Panasonic Corporation, Qualcomm Technologies, Inc, Renesas Electronics Corporation, Sasken Technologies Ltd, Siemens Digital Industries Software, SYSGO GmbH, Tata Elxsi, Texas Instruments Incorporated, The Qt Company, Visteon Corporation, VMware, Inc, and Wind River Systems, Inc.

Types Covered:

Type 1

Type 2

Vehicle Types Covered:

Electric Vehicle

Heavy Commercial Vehicle (HCV)

Internal-combustion (IC) Engine Vehicle

Light Commercial Vehicle (LCV)

Passenger Car

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Level of Autonomous Driving Covered:

- Autonomous
- Semi-autonomous

Products Covered:

- Native (Bare-Metal) Hypervisors
- Hosted Hypervisors

Bus Systems Covered:

- Can
- Ethernet
- Flexray
- Lin

Sales Channels Covered:

- Aftermarket
- Original Equipment Manufacturers (OEMs)

End Users Covered:

- Economy Vehicle
- Mid-Priced Vehicle
- Luxury Vehicle

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Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India
  - Australia
  - New Zealand
  - South Korea

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- Rest of Asia Pacific
- South America
  - Argentina
  - Brazil
  - Chile
  - Rest of South America
- Middle East & Africa
  - Saudi Arabia
  - UAE
  - Qatar
  - South Africa
  - Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2019, 2020, 2021, 2025, and 2028
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations

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- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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