

# **Global Automotive Operating System Market Size study&Forecast, by Operating System Type (QNX, Linux, Windows, Android, Others) by ICE Vehicle Type (Passenger Cars, Light Commercial Vehicles, Heavy Commercial Vehicles), by EV Application (Charging Management Systems, Battery Management Systems), by Application (ADAS & Safety Systems, Autonomous Driving, Body Control & Comfort Systems, Communication Systems, Connected Services, Infotainment Systems, Engine Management & Powertrain, Vehicle Management & Telematics)and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Automotive Operating System Market is valued at approximately USD 11.6 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 9.2% over the forecast period 2022-2029. Automotive Operating System is software installed in modern cars to manage various functions and features. It is a full-stack and highly customizable platform for an excellent experience in vehicles. This operating system is on the car's onboard computer system and controls various other systems. There are several software components and modules for managing the engine, transmission, controlling the car's multimedia systems and making up the vehicle. Additionally, the growing automotive industry and emerging automotive display technology are driving the market for the automotive operating system.

The growing automotive industry is driving the market for the automotive operating system. The growing need of the individual is to have full stack featured vehicles with automotive software installed in them for a better experience. In 2021, the U.S. automotive manufacturing market amounted to around USD 2.86 trillion. This market further increased to USD 2.95 trillion in 2022. The emerging automotive display technology is also fueling the demand for automotive operating systems. People are shifting from traditional car hardware to display-centric software. For Instance, the display for navigation and audio including screens in India in 2021 accounted to be USD 1.6 billion. The market for automotives displays is anticipated to reach nearly 350 million by 2025 globally. Moreover, the continuous advancements in formulations and the advent of software-centric vehicles are also surging the demand for automotive operating systems. However, the high cost of the Automotive Operating System stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Automotive Operating System Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia-Pacific dominated the market for the automotive operating system due to the maximum number of automotives production in this region. The increasing purchasing power of the growing population is triggering the demand for automotives in this region. The population here is tech-savvy and demands advanced and excellent driving experiences. North America is expected to be the fastest-growing region. The software providers are focusing on continuous advancements and developments in technological software in this region, therefore driving the demand for the automotive operating system market.

Major market player included in this report are:

BlackBerry Limited

Automotive Grade Linux

Microsoft Corporation

Apple Inc.

Alphabet Inc.

Tesla, Inc.

Bayerische Motoren Werke GmbHVolkswagen AG

Mercedes-Benz AG

Neusoft Corporation

Recent Developments in the Market:

In June 2022, an updated version of QNX Advanced Virtualization Framework (QAVF) was launched by BlackBerry Limited. This new version simplifies development and

reduces costs for automotive software developers. It also supports Google's latest Android Automotive OS (AAOS).

In April 2022, Automotive Grade Linux (AGL) announced its collaboration with IndyKite, Marelli Corporation, and Red Hat. AGL declared them as new bronze members to initiate bringing all automotive industries, suppliers and companies together.

Global Automotive Operating System Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Operating System Type, ICE Vehicle Type, EV Application, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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 Operating System Type:

QNX

Linux

Windows

Android

Others

By ICE Vehicle Type:

Passenger Cars

Light Commercial Vehicles

Heavy Commercial Vehicles

By EV Application:

Charging Management Systems  
Battery Management Systems

By Application:

ADAS & Safety Systems  
Autonomous Driving  
Body Control & Comfort Systems  
Communication Systems  
Connected Services  
Infotainment Systems  
Engine Management & Powertrain  
Vehicle Management & Telematics

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

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