

Global GNSS Simulators Market Size study & Forecast, by Type (Single Channel, Multichannel) By Component (Hardware, Software) By GNSS Receiver (GPS, Galileo, GLONASS, BeiDou) By Application (Vehicle Assistance Systems, Location-based Services) By Vertical (Military & Defence, Automotive, Consumer Electronics, Marine, Aerospace, Others) and Regional Analysis, 2023-2030

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Abstracts

Global GNSS Simulators Market is valued at approximately USD xx million in 2022 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2023-2030. GNSS simulators, also known as GPS simulators or satellite simulators, are devices or software applications used to replicate the signals transmitted by Global Navigation Satellite Systems. These simulators are primarily used for testing, development, and training purposes in various industries and applications that rely on GNSS technology. The GNSS Simulators market is expanding because of factors such as the rising demand of IoT devices and increasing number of autonomous vehicles. Moreover, the growing autonomous vehicle sectors have a significant impact on the GNSS simulator market, as they increase the demand for accurate positioning and navigation testing solutions.

According to Statista in 2023, the global autonomous vehicle market was valued at approximately USD 106 billion in 2021, the market is projected to reach up to USD 2.3 trillion by 2030. The increasing adoption of consumer IoT devices has an impact on the GNSS simulator market, as it creates a demand for testing solutions to ensure accurate positioning and navigation capabilities. According to Statista in 2022, the number of

Internet of Things (IoT) devices worldwide is expected to nearly triple from USD 9.7 billion in 2020 to over USD 29 billion by 2030. By 2030, China is projected to have the largest number of IoT devices, with around 5 billion devices used by consumers. In addition, the increasing demand for UAVs and rapid adoption of high-precision GNSS systems would create a lucrative growth opportunity. However, the lack of digital infrastructure and high cost associated to GNSS Simulators stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global GNSS Simulators Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market during the forecast period owing to, growing demand for precise positioning and navigation systems, along with advancements in the automotive and consumer electronics sectors. Asia Pacific is the fastest growing region during the forecast period, owing to factors such as rapid digitization and a rising inclination towards IoT devices and electrical appliances in the region.

Major market player included in this report are:

Spirent Communications Plc
Rohde & Schwarz India Pvt Ltd
Accord Software & Systems Private Limited.
Jackson Labs Technologies, Inc.
Hyper Tech Infosystem Private Limited
WORK Microwave GmbH
CAST Navigation, LLC
Hexagon AB
VIAVI Solutions, Inc.
Keysight Technologies, Inc.

Recent Developments in the Market:

In January 2022, Hexagon's autonomy & positioning division collaborated with Dayou for the launch of TerraStarX technology, offering high-speed and accurate point positioning correction. This GNSS correction, derived from TerraStarX technology, provides precise correction for autonomous vehicles and is accessible to the mass market.

In February 2022, VIAVI Solutions collaborated with Rohde & Schwarz, a renowned provider in the mobile and wireless communications industry. The objective of this collaboration was to jointly offer a comprehensive solution for conformance testing of O-

RAN Radio Units.

Global GNSS Simulators Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered - Type, Component, GNSS Receiver, Application, Vertical, Region
Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

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 Type

Single Channel

Multichannel

By Component

Hardware

Software

By GNSS Receiver

GPS

Galileo

GLONASS

BeiDou

By Application

Vehicle Assistance Systems

Location-based Services

By Vertical

Military & Defence

Automotive

Consumer Electronics

Marine

Aerospace

Others

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

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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