

GNSS Simulators Market Growth, Size, Share, Price, Trends, Analysis, Key Players, Outlook, Report, Forecast 2024-2032

GNSS Simulators Market Size To Grow At A CAGR Of 9.0% In The Forecast Period Of 2024-2032.

30 NORTH GOULD STREET, SHERIDAN, WYOMING, UNITED STATES, November 7, 2023 /EINPresswire.com/ -- GNSS Simulators Market Outlook

According to a new report by Expert Market Research titled, "[GNSS Simulators Market Size](#), Share, Analysis, Report and Forecast 2024-2032", the

global GNSS simulators market reached a value of nearly USD 187.72 billion in 2023. Aided by the growing demand for consumer IoT and unmanned aerial vehicles and rising demand for GNSS simulators for software-defined radio, the market is projected to further grow at a CAGR of 9% between 2024 and 2032.

GNSS Simulators, an acronym for Global Navigation Satellite System Simulators, are pivotal tools that produce controlled radio frequency signals replicating the outputs of GNSS satellites. Primarily used for testing the performance of GNSS receivers and systems, these simulators offer precise, repeatable signals which are essential for thorough testing, validation, and development of GNSS applications.

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One of the significant GNSS simulators market trends is the surging emphasis on precise and efficient navigation and positioning systems in sectors like automotive, aerospace, and defence. With advanced transportation mechanisms, like autonomous vehicles and unmanned aerial systems, entering the market, the need for reliable GNSS systems is rising, which in turn propels the demand for GNSS Simulators for their testing and development.



Additionally, the GNSS simulators market growth is fuelled by the introduction of augmented reality (AR) and virtual reality (VR). These digital realms enhance accuracy in positioning and navigation for enhanced user experiences. Consequently, GNSS Simulators have become the cornerstone for the testing and improvement of such systems, ensuring their exceptional performance in real-world scenarios.

The GNSS simulators market analysis highlights the importance of geospatial technology and Geographic Information Systems (GIS) in the simulators. As industries and sectors rely increasingly on geospatial data for various applications, from urban planning to disaster management, the role of GNSS in providing accurate locational data becomes important. This, in turn, amplifies the market demand, as the need for rigorous testing and development of GNSS components in geospatial technologies intensifies.

Furthermore, the GNSS simulators market demand is bolstered by the surge in wearable technology and smart devices. Modern-day wearables, be it smartwatches or fitness trackers, heavily rely on GNSS systems for functionalities like location tracking, route mapping, and more. The demand for accuracy in these devices, paired with the ever-evolving technology, necessitates the recurrent use of GNSS Simulators for perfecting the GNSS components integrated within.

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GNSS Simulators Market Segmentation

The market can be divided based on component, type, GNSS receiver, application, vertical, and region.

Market Breakup by Component

Hardware

Software

Services

Professional Services

Managed Services

Market Breakup by Type

Single Channel

Multichannel

Market Breakup by GNSS Receiver

GPS

Galileo
GLONASS
BeiDou
Others

Market Breakup by Application

Navigation
Mapping
Surveying
Location-Based Services
Vehicle Assistance Systems
Others

Market Breakup by Vertical

Military and Defence
Automotive
Consumer Electronics
Marine
Aerospace
Others

Market Breakup by Region

North America
Europe
Asia Pacific
Latin America
Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global GNSS simulators market. Some of the major players explored in the report by Expert Market Research are as follows:

Spirent Communications plc
Rohde & Schwarz GmbH & Co. KG
Syntony SAS
OROLIA SAS
CAST Navigation, LLC

Accord Software & Systems Private Limited
IFEN GmbH
RACELOGIC Ltd.
Others

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