+357 96 030922
info@marketpublishers.com

Global Airborne GNSS Receiver Market Research Report 2026(Status and Outlook)

https://marketpublishers.com/r/G89FBF6F22ACEN.html
Date: March 2026
Pages: 144
Price: US$ 2,980.00 (Single User License)
ID: G89FBF6F22ACEN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Airborne GNSS Receiver competitive dynamics, regional economic interdependencies, and supply chain reconfigurations.Airborne GNSS receivers are a type of high-reliability satellite navigation receiving terminal designed specifically for aviation platforms. They feature multi-constellation and multi-frequency reception, anti-interference and anti-multipath capabilities, and meet aviation environment certification and electromagnetic compatibility requirements. Global airborne GNSS receiver shipments are estimated to be approximately 18,000 units in 2024, with an average unit price estimated to be approximately US$8,500 per unit in 2024. A typical mature assembly and calibration production line has an annual production capacity of approximately 3,000 units. Upstream components include high-performance GNSS multi-frequency SoCs and RF front-end chips, low-noise antennas and filters, precision PCBs, and passive components. The company supplies components, connectors and machined housings, environmental durability and EMC testing equipment and certification services. Its downstream customers include civil airliner and general aviation manufacturers, UAV platforms, helicopter manufacturers, avionics system integrators and defense procurement units. The industry's gross profit margin is usually between 22% and 32% due to different levels of certification and customization, with a median of approximately 28%. The upstream materials consumed for the production of each airborne receiver are roughly one GNSS multi-frequency SoC, one RF front-end module, one active or high-gain passive antenna (about 0.6 kg), one main PCB (about 0.12 kg), and several passive components and connectors. The housing weighs approximately 0.05 kg, and the fasteners weigh approximately 0.4 kg. Calibration and functional testing require approximately two hours of work. The downstream consumption for one unit of this

+357 96 030922
info@marketpublishers.com

product is one receiver, which is the direct consumption of an avionics device. In typical deployments, each commercial airliner is often equipped with two to four units for redundancy and use with different avionics systems. Each general aviation aircraft is usually equipped with one unit, and each large UAV or special platform is equipped with one to three units depending on mission requirements. The product cost structure is roughly as follows: GNSS chips and RF modules account for approximately 35%, antennas and connectors account for approximately 10%, machined housings and mechanical parts account for approximately 12%, and PCBs account for approximately 12%. Passive components account for about 8%, test, calibration and certification account for about 8%, R&D and software algorithms account for about 12%, production, assembly and labor account for about 7%, sales, logistics and after-sales account for about 8%. Products can be divided into civil aviation certification grade, military grade and civilian grade according to parameters; basic navigation type, differential enhancement support type, high-precision RTK/PPP support type according to accuracy and function; single-frequency, dual-frequency and multi-frequency types according to frequency band; panel-mounted type, modular embedded board type and antenna-integrated type according to form; commercial airliner type, general aviation type, UAV type and defense special platform type according to application scenarios.

The global Airborne GNSS Receiver market size was estimated at USD 153.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 7.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Airborne GNSS Receiver market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Airborne GNSS Receiver market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

+357 96 030922
info@marketpublishers.com

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Airborne GNSS Receiver market.

Global Airborne GNSS Receiver Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Trimble
Septentrio
Topcon
Hexagon
Leica Geosystems
Guangzhou Hi-Target Navigation Tech
Four-Faith
Shanghai Huace Navigation Technology
ComNav Technology
Beijing UniStrong Science & Technology
Tersus GNSS
Zhejiang Runda Detection Technology

Market Segmentation (by Type)

Ntrip Access
SDK Access
Other

+357 96 030922
info@marketpublishers.com

Market Segmentation (by Application)

Civilian
Military

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Airborne GNSS Receiver Market
Overview of the regional outlook of the Airborne GNSS Receiver Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the

+357 96 030922
info@marketpublishers.com

Airborne GNSS Receiver Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Airborne GNSS Receiver, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

+357 96 030922
info@marketpublishers.com

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
Provision of market value data for each segment and sub-segment
Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market
Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled
Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players
The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions
Includes in-depth analysis of the market from various perspectives through Porter?s five forces analysis
Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come
6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8 AIRBORNE GNSS RECEIVER MARKET SALES BY REGION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Airborne GNSS Receiver Market Research Report 2026(Status and Outlook)

Product link: https://marketpublishers.com/r/G89FBF6F22ACEN.html

Price: US$ 2,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G89FBF6F22ACEN.html