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Global GPS and GNSS Receivers in Aviation Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global GPS and GNSS Receivers in Aviation market size is expected to reach $ 439 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).
GPS and GNSS Receivers in Aviation are specialized navigation and positioning devices installed on aircraft, helicopters, and other aerial platforms. By receiving signals from global navigation satellite systems such as GPS, GLONASS, BeiDou, and Galileo?often augmented with SBAS/GBAS services?these receivers provide precise position, velocity, and timing data. Designed for high reliability and resistance to interference, aviation receivers meet stringent certification requirements and integrate with avionics suites such as Flight Management Systems (FMS), autopilots, and ADS?B position sources to support flight navigation, precision approaches, and air traffic services. In 2025, global GPS and GNSS Receivers in Aviation sales reached approximately 40 K Units, with an average price of 7,200 US$/Unit.
The GPS/GNSS receivers in aviation market is driven by global growth in air transportation and aircraft fleet modernization. Increasing demand for civil and general aviation services, along with regulatory requirements for improved navigational performance, encourages airlines and aircraft operators to procure more precise and reliable satellite navigation equipment. Implementation of ADS?B for aircraft position reporting and modernization of air traffic management systems further accelerates adoption of advanced aviation GNSS receivers. Additionally, military and special aviation platforms demand high availability and anti?spoofing capabilities, driving technology upgrades and replacement cycles.
This report studies the global GPS and GNSS Receivers in Aviation production, demand, key manufacturers, and key regions.
This report is a detailed and comprehensive analysis of the world market for GPS and GNSS Receivers in Aviation and provides market size (US$ million) and Year-over-Year

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(YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of GPS and GNSS Receivers in Aviation that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GPS and GNSS Receivers in Aviation total production and demand, 2021-2032, (K Units)

Global GPS and GNSS Receivers in Aviation total production value, 2021-2032, (USD Million)

Global GPS and GNSS Receivers in Aviation production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global GPS and GNSS Receivers in Aviation consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: GPS and GNSS Receivers in Aviation domestic production, consumption, key domestic manufacturers and share

Global GPS and GNSS Receivers in Aviation production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global GPS and GNSS Receivers in Aviation production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global GPS and GNSS Receivers in Aviation production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global GPS and GNSS Receivers in Aviation market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hexagon, Thales Group, CMC Electronics, FreeFlight Systems, Collins Aerospace (RTX), Trig Avionics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World GPS and GNSS Receivers in Aviation market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global GPS and GNSS Receivers in Aviation Market, By Region:

United States

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China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global GPS and GNSS Receivers in Aviation Market, Segmentation by Type:

Centimeter?Level RTK/PPP

Sub?Decimeter PPK/RTK

Global GPS and GNSS Receivers in Aviation Market, Segmentation by Functional:

Navigation Only

Navigation + Timing

Navigation + Integrity Monitoring

Global GPS and GNSS Receivers in Aviation Market, Segmentation by Positioning Technology:

Standard GPS

GNSS + SBAS

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GNSS + GBAS/RAIM/INS

Global GPS and GNSS Receivers in Aviation Market, Segmentation by Application:

Civil

Military

Companies Profiled:

Hexagon

Thales Group

CMC Electronics

FreeFlight Systems

Collins Aerospace (RTX)

Trig Avionics

Key Questions Answered:

1. How big is the global GPS and GNSS Receivers in Aviation market?
2. What is the demand of the global GPS and GNSS Receivers in Aviation market?
3. What is the year over year growth of the global GPS and GNSS Receivers in Aviation market?
4. What is the production and production value of the global GPS and GNSS Receivers in Aviation market?
5. Who are the key producers in the global GPS and GNSS Receivers in Aviation market?
6. What are the growth factors driving the market demand?

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