

Global Multi-mode Receiver Market Size Study, By Platform (Fixed-Wing, Rotary-Wing), By Fit (Line-fit, Retrofit), By Application (Navigation & Positioning, Landing, Others), By End-use (Aerospace and Defense, Telecommunications, Automotive, Others), and Regional Forecasts 2022-2032

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Abstracts

The global multi-mode receiver market was valued at approximately USD 1.48 billion in 2023 and is projected to grow at a compound annual growth rate (CAGR) of 4.2% over the forecast period 2024-2032, reaching an estimated USD 2.14 billion by 2032. The increasing demand for multi-mode receivers stems from their ability to integrate multiple navigation and guidance functionalities into a compact hardware system, enhancing aircraft navigation, positioning, and landing capabilities.

The aviation industry's growth, driven by rising air travel, expanding airline fleets, and the increasing need for operational efficiency, has significantly contributed to the market's growth. Advanced aircraft, including narrow-body planes such as Airbus A320 and Boeing 737 models, increasingly incorporate multi-mode receivers to improve situational awareness, streamline pilot workloads, and enhance safety. Furthermore, government investments in aviation infrastructure and airlines' focus on fleet expansion and upgrades continue to bolster the market.

Key drivers influencing the market include:

Rising Demand for Advanced Aircraft Navigation Systems: Multi-mode receivers provide precise navigation, accurate positioning, and reliable landing assistance, essential for modern aircraft operations.

Technological Advancements in Aviation: Innovations such as Satellite-Based Augmentation Systems (SBAS) and integration of GPS, VOR, and ILS technologies enhance the capabilities of multi-mode receivers.

Increasing Fleet Expansion and Retrofit Programs: Airlines are increasingly investing in new aircraft and upgrading existing fleets with advanced avionics systems to improve operational efficiency.

Despite these growth factors, the market faces challenges such as high initial costs and complexities in regulatory compliance. However, opportunities lie in emerging economies with growing investments in aviation infrastructure and technological advancements in connected systems and IoT-based solutions.

Regional Insights: North America dominated the multi-mode receiver market in 2024, accounting for a significant revenue share due to the presence of major aerospace manufacturers and robust aviation infrastructure. The U.S. remains the largest contributor, with airlines investing heavily in fleet expansions and technology upgrades to meet rising passenger and cargo demands.

Asia Pacific is expected to witness the highest growth during the forecast period, driven by increasing air travel demand in countries like China, India, and Japan. Government initiatives to enhance domestic aviation networks and attract foreign investments in the aviation sector further support market growth.

Europe also plays a crucial role, with a strong focus on aviation technology innovations and collaborations between airlines and avionics manufacturers. For example, partnerships like Collins Aerospace's 10-year maintenance contract with Air Europa highlight the region's emphasis on technological advancements and operational efficiency.

Major Companies Included in the Report

BAE Systems

Honeywell International Inc.

Garmin Ltd.

Collins Aerospace

Thales Group

Indra Sistemas

Leonardo S.p.A.

Deere & Company

Intelcan Technosystems Inc.

Saab AB

The Detailed Segments and Sub-segments of the Market are Explained Below

By Platform:

Fixed-Wing

Rotary-Wing

By Fit:

Line-fit

Retrofit

By Application:

Navigation & Positioning

Landing

Others

By End-use:

Aerospace and Defense

Telecommunications

Automotive

Marine and Shipping

Agriculture

Construction and Surveying

Transportation and Logistics

Others

By Region:

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Rest of Europe

Asia Pacific

China

Japan

India

Rest of Asia Pacific

Latin America

Brazil

Argentina

Middle East & Africa

UAE

Saudi Arabia

South Africa

Years Considered for the Study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024-2032

Key Takeaways:

Global Multi-mode Receiver Market Size Study, By Platform (Fixed-Wing, Rotary-Wing), By Fit (Line-fit, Retrofi...

Market Estimates & Forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Demand-side and supply-side analysis of the market.

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