

Multi-mode Receiver (MMR) Market Size, Share & Trends Analysis Report By Platform (Fixed Wing, Rotary Wing), By Fit Type (Line-fit, Retrofit), By Region, Competitive Landscape, And Segment Forecasts, 2018 - 2025

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Abstracts

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The global multi-mode receiver market size is expected to reach USD 1.3 billion by 2025, according to a new study by Grand View Research, Inc., recording a 4.4% CAGR during the forecast period. Multi-mode receiver (MMR) plays a crucial role in augmenting navigation and landing capabilities of an aircraft. As a result, the number of aircraft deliveries emerges as a crucial factor for the MMR market. Although worldwide aircraft shipments have dropped from 2,331 in 2015 to 2,262 in 2016 as stated by the General Aviation Manufacturers Association (GAMA), air passenger traffic has increased significantly over the past 10 years, particularly in developing economies such as India and China. This is expected to propel market growth.

An MMR integrates multiple functionalities into a compact unit, thereby reducing the weight and space factor of an aircraft. It also assists the pilot in positioning, navigating, and landing the aircraft, even in unfavorable conditions. These factors are likely to work in favor of the MMR market.

Another important factor contributing to market growth is initiatives undertaken by airlines across the world to modernize their fleets. Stringent mandates have been laid down for the aviation sector worldwide. At the same time, new technologies such as Automatic Dependent Surveillance - Broadcast (ADS-B) Out are also emerging. While airlines are undertaking various aircraft modernization programs and upgrading their

fleets, they also have to make sure their aircraft support latest technologies and evolving Required Navigation Performance (RNP) navigation approaches. As a result, airlines are spending aggressively on advanced navigation systems. However, safeguarding aircraft avionics systems/technologies from cyber-attacks is one of the crucial challenges faced by the aviation industry.

At present, a handful of market players holding expertise in manufacturing MMR systems are dominating the market. Strong geographical presence of these incumbents, coupled with existing long-term supply contracts, will ensure steady growth of the MMR market over the forecast period. Market players are also adhering to strategies aimed at new product development and expansion in order to strengthen their foothold in the market. For instance, in 2017, Honeywell International Inc. developed a new integrated MMR that complies with GLS CAT-III navigation standards.

Further key findings from the study suggest:

The retrofit segment is expected to exhibit a CAGR higher than that of the line-fit segment, as airlines remain keen on retrofitting their aircraft with latest avionics

The fixed wing segment is anticipated to register the highest CAGR over the forecast period in line with increasing number of aircraft being delivered in developing economies of Asia Pacific

The North American region held a market share of 43.0% in 2016 as a result of strong demand from major aircraft manufacturers such as Bombardier and Boeing

While MMR helps reduce power consumption, it also happens to be lighter and smaller as compared to receiver solutions available in the market at present. Such favorable factors would ensure steady growth of the MMR market over the forecast period

Players such as BAE Systems; Honeywell International Inc.; Leonardo S.p.A.; Rockwell Collins; and Thales Group are dominating the market leveraging their technical expertise.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope and Assumptions
- 1.3 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Multi-Mode Receiver Market - Industry Snapshot & Key Buying Criteria, 2014 - 2025
- 2.2 Multi-Mode Receiver Market, 2014 - 2025

CHAPTER 3 MULTI-MODE RECEIVER INDUSTRY OUTLOOK

- 3.1 Market Segmentation
- 3.2 Market Growth and Prospects
- 3.3 Multi-Mode Receiver Market - Value Chain Analysis
- 3.4 Market Dynamics
 - 3.4.1 Market driver analysis
 - 3.4.1.1 Increased number of aircraft deliveries
 - 3.4.1.2 Compliance to stringent Automatic Dependent Surveillance - Broadcast (ADS-B) mandates
 - 3.4.2 Market challenge analysis
 - 3.4.2.1 High vulnerability of avionics to cyberattacks
- 3.5 Penetration & Growth Prospects Mapping
- 3.6 Multi-Mode Receiver Market - Porters Five Forces Analysis
- 3.7 Multi-Mode Receiver Market - PEST Analysis

CHAPTER 4 MULTI-MODE RECEIVER PLATFORM OUTLOOK

- 4.1 Multi-Mode Receiver Market Share, By Platform, 2016 & 2025
 - 4.1.1 Fixed wing
 - 4.1.1.1 Multi-mode receiver market for fixed wing platform, 2014 - 2025
 - 4.1.1.2 Multi-mode receiver market for fixed wing platform, by region, 2014 - 2025
 - 4.1.2 Rotary wing
 - 4.1.2.1 Multi-mode receiver market for rotary wing platform, 2014 - 2025
 - 4.1.2.2 Multi-mode receiver market for rotary wing platform, by region, 2014 - 2025

CHAPTER 5 MULTI-MODE RECEIVER FIT TYPE OUTLOOK

5.1 Multi-Mode Receiver Market Share, By Fit Type, 2016 & 2025

5.1.1 Line-fit

5.1.1.1 Line-fit multi-mode receiver market, 2014 - 2025

5.1.1.2 Line-fit multi-mode receiver market, by region, 2014 - 2025

5.1.2 Retrofit

5.1.2.1 Retrofit multi-mode receiver market, 2014 - 2025

5.1.2.2 Retrofit multi-mode receiver market, by region, 2014 - 2025

CHAPTER 6 MULTI-MODE RECEIVER REGIONAL OUTLOOK

6.1 Multi-Mode Receiver Market Share by Region, 2016 & 2025

6.2 North America

6.2.1 North America multi-mode receiver market, 2014 - 2025

6.2.2 North America multi-mode receiver market, by platform, 2014 - 2025

6.2.3 North America multi-mode receiver market, by fit type, 2014 - 2025

6.2.4 U.S.

6.2.4.1 U.S. multi-mode receiver market, 2014 - 2025

6.2.4.2 U.S. multi-mode receiver market, by platform, 2014 - 2025

6.2.4.3 U.S. multi-mode receiver market, by fit type, 2014 - 2025

6.2.5 Canada

6.2.5.1 Canada multi-mode receiver market, 2014 - 2025

6.2.5.2 Canada multi-mode receiver market, by platform, 2014 - 2025

6.2.5.3 Canada multi-mode receiver market, by fit type, 2014 - 2025

6.3 Europe

6.3.1 Europe multi-mode receiver market, 2014 - 2025

6.3.2 Europe multi-mode receiver market, by platform, 2014 - 2025

6.3.3 Europe multi-mode receiver market, by fit type, 2014 - 2025

6.3.4 France

6.3.4.1 France multi-mode receiver market, 2014 - 2025

6.3.4.2 France multi-mode receiver market, by platform, 2014 - 2025

6.3.4.3 France multi-mode receiver market, by fit type, 2014 - 2025

6.3.5 Germany

6.3.5.1 Germany multi-mode receiver market, 2014 - 2025

6.3.5.2 Germany multi-mode receiver market, by platform, 2014 - 2025

6.3.5.3 Germany multi-mode receiver market, by fit type, 2014 - 2025

6.4 Asia Pacific

6.4.1 Asia Pacific multi-mode receiver market, 2014 - 2025

- 6.4.2 Asia Pacific multi-mode receiver market, by platform, 2014 - 2025
- 6.4.3 Asia Pacific multi-mode receiver market, by fit type, 2014 - 2025
- 6.4.4 China
 - 6.4.4.1 China multi-mode receiver market, 2014 - 2025
 - 6.4.4.2 China multi-mode receiver market, by platform, 2014 - 2025
 - 6.4.4.3 China multi-mode receiver market, by fit type, 2014 - 2025
- 6.4.5 India
 - 6.4.5.1 India multi-mode receiver market, 2014 - 2025
 - 6.4.5.2 India multi-mode receiver market, by platform, 2014 - 2025
 - 6.4.5.3 India multi-mode receiver market, by fit type, 2014 - 2025
- 6.4.6 Japan
 - 6.4.6.1 Japan multi-mode receiver market, 2014 - 2025
 - 6.4.6.2 Japan multi-mode receiver market, by platform, 2014 - 2025
 - 6.4.6.3 Japan multi-mode receiver market, by fit type, 2014 - 2025
- 6.5 South America
 - 6.5.1 South America multi-mode receiver market, 2014 - 2025
 - 6.5.2 South America multi-mode receiver market, by platform, 2014 - 2025
 - 6.5.3 South America multi-mode receiver market, by fit type, 2014 - 2025
 - 6.5.4 Brazil
 - 6.5.4.1 Brazil multi-mode receiver market, 2014 - 2025
 - 6.5.4.2 Brazil multi-mode receiver market, by platform, 2014 - 2025
 - 6.5.4.3 Brazil multi-mode receiver market, by fit type, 2014 - 2025
- 6.6 MEA
 - 6.6.1 MEA multi-mode receiver market, 2014 - 2025
 - 6.6.2 MEA multi-mode receiver market, by platform, 2014 - 2025
 - 6.6.3 MEA multi-mode receiver market, by fit type, 2014 - 2025

CHAPTER 7 COMPETITIVE LANDSCAPE

- 7.1 BAE Systems
 - 7.1.1 Company overview
 - 7.1.2 Financial performance
 - 7.1.3 Product benchmarking
- 7.2 Honeywell International Inc.
 - 7.2.1 Company overview
 - 7.2.2 Financial performance
 - 7.2.3 Product benchmarking
 - 7.2.4 Strategic initiatives
- 7.3 Leonardo S.p.A.

- 7.3.1 Company overview
- 7.3.2 Financial performance
- 7.3.3 Product benchmarking
- 7.3.4 Strategic initiatives
- 7.4 Rockwell Collins
 - 7.4.1 Company overview
 - 7.4.2 Financial performance
 - 7.4.3 Product benchmarking
 - 7.4.4 Strategic initiatives
- 7.5 Thales Group
 - 7.5.1 Company overview
 - 7.5.2 Financial performance
 - 7.5.3 Product benchmarking
 - 7.5.4 Strategic initiative
- 7.6 Carlisle Companies Inc.
 - 7.6.1 Company overview
 - 7.6.2 Financial performance
 - 7.6.3 Product benchmarking

List Of Tables

LIST OF TABLES

Table 1 Multi-Mode receiver market - industry snapshot & key buying criteria, 2014 - 2025

Table 2 Multi-mode receiver market, 2014 - 2025 (USD Million)

Table 3 Multi-mode receiver market, by region, 2014 - 2025 (USD Million)

Table 4 Multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 5 Multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 6 Multi-Mode receiver - key driver impact

Table 7 Multi-mode receiver - key challenge impact

Table 8 Multi-mode receiver market for fixed wing platform, 2014 - 2025 (USD Million)

Table 9 Multi-mode receiver market for fixed wing, by region, 2014 - 2025 (USD Million)

Table 10 Multi-mode receiver market for fixed wing platform, 2014 - 2025 (USD Million)

Table 11 Multi-mode receiver market for fixed wing platform, by region, 2014 - 2025 (USD Million)

Table 12 Line-fit multi-mode receiver market, 2014 - 2025 (USD Million)

Table 13 Line-fit multi-mode receiver market, by region, 2014 - 2025 (USD Million)

Table 14 Retrofit multi-mode receiver market, 2014 - 2025 (USD Million)

Table 15 Retrofit Multi-mode receiver market, by region, 2014 - 2025 (USD Million)

Table 16 North America multi-mode receiver market, 2014 - 2025 (USD Million)

Table 17 North America multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 18 North America multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 19 U.S. multi-mode receiver market, 2014 - 2025 (USD Million)

Table 20 U.S. multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 21 U.S. multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 22 Canada multi-mode receiver market, 2014 - 2025 (USD Million)

Table 23 Canada multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 24 Canada multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 25 Europe multi-mode receiver market, 2014 - 2025 (USD Million)

Table 26 Europe multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 27 Europe multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 28 France multi-mode receiver market, 2014 - 2025 (USD Million)

Table 29 France multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 30 France multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 31 Germany multi-mode receiver market, 2014 - 2025 (USD Million)

Table 32 Germany multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 33 Germany multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 34 Asia Pacific multi-mode receiver market, 2014 - 2025 (USD Million)

Table 35 Asia Pacific multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 36 Asia Pacific multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 37 China multi-mode receiver market, 2014 - 2025 (USD Million)

Table 38 China multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 39 China multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 40 India multi-mode receiver market, 2014 - 2025 (USD Million)

Table 41 India multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 42 India multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 43 Japan multi-mode receiver market, 2014 - 2025 (USD Million)

Table 44 Japan multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 45 Japan multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 46 South America multi-mode receiver market, 2014 - 2025 (USD Million)

Table 47 South America multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 48 South America multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 49 Brazil multi-mode receiver market, 2014 - 2025 (USD Million)

Table 50 Brazil multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 51 Brazil multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

Table 52 MEA multi-mode receiver market, 2014 - 2025 (USD Million)

Table 53 MEA multi-mode receiver market, by platform, 2014 - 2025 (USD Million)

Table 54 MEA multi-mode receiver market, by fit type, 2014 - 2025 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market segmentation and scope
- Fig. 2 Multi-mode receiver market, 2014 - 2025 (USD Million)
- Fig. 3 Multi-mode receiver market - value chain analysis
- Fig. 4 Drive impact analysis, 2016 - 2025
- Fig. 5 Challenge impact analysis, 2016 - 2025
- Fig. 6 Penetration & growth prospects mapping, 2014 - 2025
- Fig. 7 Multi-mode receiver market - porters five forces analysis
- Fig. 8 Multi-mode receiver market - pest analysis
- Fig. 9 Multi-mode receiver market, by platform, 2016 & 2025 (USD Million)
- Fig. 10 Multi-mode receiver market, by fit type, 2016 & 2025 (USD Million)
- Fig. 11 Multi-mode receiver market, by region, 2016 & 2025
- Fig. 12 North America multi-mode receiver market - key takeaways
- Fig. 13 Europe multi-mode receiver market - key takeaways
- Fig. 14 Asia Pacific multi-mode receiver market - key takeaways
- Fig. 15 South America Multi-mode receiver market - key takeaways
- Fig. 16 MEA multi-mode receiver market - key takeaways

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