

Global Airborne SATCOM Market Report and Forecast 2023-2028

Market Report | 2023-09-27 | 168 pages | EMR Inc.

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Report description:

Global Airborne SATCOM Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global airborne SATCOM market is projected to grow at a CAGR of 9.8% between 2023 and 2028. Aided by the advancements in aeronautical communications and the pressing need for robust connectivity in aviation, the market is expected to grow significantly by 2028.

Airborne SATCOM is a communication method that employs satellites to provide seamless connectivity between aircraft and ground stations, or other aircraft. This system facilitates real-time communication, navigation, and surveillance in various aviation sectors, from commercial airlines to military operations. In an era marked by digital integration and the Internet of Things (IoT), the significance of maintaining persistent communication links, even in the most remote airspace, cannot be understated.

A pivotal driver for the global airborne SATCOM market growth is the increasing demand for seamless in-flight entertainment and connectivity (IFEC) solutions. Today's passengers, in a digital age, expect uninterrupted access to internet services, live television, and real-time data - all of which are facilitated by SATCOM. This surge in demand, coupled with the competition amongst airlines to offer best-in-class passenger experience, propels the proliferation of SATCOM solutions in commercial aviation.

The military and defense sectors are other substantial contributors to the airborne SATCOM market demand. In an increasingly volatile global geopolitical environment, maintaining unbroken communication channels can be the difference between mission success and failure. SATCOM solutions enable real-time data exchange, drone control from remote locations, and encrypted communication - essential functionalities in modern warfare and intelligence operations.

However, it's not just about communication. Navigation, a cornerstone of aviation safety, relies heavily on SATCOM. With the global push towards more efficient air traffic management and the need to ensure safety in increasingly congested skies, systems like Automatic Dependent Surveillance-Broadcast (ADS-B) which depend on satellite communication, are gaining prominence.

As per the airborne SATCOM market analysis, the growing integration of AI and machine learning in aviation augments the need for high-speed and reliable communication systems. As aircraft become smarter and more autonomous, the data exchange between the aircraft and ground systems must remain consistent and fast. Airborne SATCOM systems, with their evolving bandwidth capabilities and technological advancements, are poised to meet this demand.

Moreover, with the burgeoning private space industry and increasing satellite launches, the infrastructure supporting satellite

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communication is strengthening. This, combined with falling costs of satellite technology, is further influencing the airborne SATCOM market outlook.

Market Segmentation

The market can be divided based on component, platform, installation type, frequency, application, and region.

Market Breakup by Component

- SATCOM Terminals
 - o□ Antennas
 - o□ Radio Frequency Units
 - o□ Networking Data Units (NDU)
 - o□ Antenna Subsystems
- Transceivers
 - o□ Receivers
 - o□ Transmitters
- Airborne Radio
- Modems and Routers
- SATCOM Radomes
- Others

Market Breakup by Platform

- Commercial Aircraft
- Military Aircraft
- Business Jets
- Helicopters
- o□ Commercial
- o□ Military
- Unmanned Aerial Vehicles

Market Breakup by Installation Type

- New Installation
- Upgradation

Market Breakup by Frequency

- UHF-Band
- L-Band
- S-Band
- C-Band
- X-Band
- Ku-Band
- Ka-Band

Market Breakup by Application

- Government and Defence
- Commercial

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

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other major developments, of the leading companies operating in the global airborne SATCOM market. Some of the major players explored in the report by Expert Market Research are as follows:

- Aselsan A.S.
- Collins Aerospace
- Honeywell International Inc.
- General Dynamics Corporation
- Cobham Aerospace Communications
- Others

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Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Airborne SATCOM Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Airborne SATCOM Historical Market (2018-2022)
 - 8.3 Global Airborne SATCOM Market Forecast (2023-2028)
 - 8.4 Global Airborne SATCOM Market by Component
 - 8.4.1 SATCOM Terminals
 - 8.4.1.1 Historical Trend (2018-2022)

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- 8.4.1.2 Forecast Trend (2023-2028)
- 8.4.1.3 Breakup by Type
 - 8.4.1.3.1 Antennas
 - 8.4.1.3.2 Radio Frequency Units
 - 8.4.1.3.3 Networking Data Units (NDU)
 - 8.4.1.3.4 Antenna Subsystems
- 8.4.2 Transceivers
 - 8.4.2.1 Historical Trend (2018-2022)
 - 8.4.2.2 Forecast Trend (2023-2028)
 - 8.4.2.3 Breakup by Type
 - 8.4.2.3.1 Receivers
 - 8.4.2.3.2 Transmitters
- 8.4.3 Airborne Radio
 - 8.4.3.1 Historical Trend (2018-2022)
 - 8.4.3.2 Forecast Trend (2023-2028)
- 8.4.4 Modems and Routers
 - 8.4.4.1 Historical Trend (2018-2022)
 - 8.4.4.2 Forecast Trend (2023-2028)
- 8.4.5 SATCOM Radomes
 - 8.4.5.1 Historical Trend (2018-2022)
 - 8.4.5.2 Forecast Trend (2023-2028)
- 8.4.6 Others
- 8.5 Global Airborne SATCOM Market by Platform
 - 8.5.1 Commercial Aircraft
 - 8.5.1.1 Historical Trend (2018-2022)
 - 8.5.1.2 Forecast Trend (2023-2028)
 - 8.5.2 Military Aircraft
 - 8.5.2.1 Historical Trend (2018-2022)
 - 8.5.2.2 Forecast Trend (2023-2028)
 - 8.5.3 Business Jets
 - 8.5.3.1 Historical Trend (2018-2022)
 - 8.5.3.2 Forecast Trend (2023-2028)
 - 8.5.4 Helicopters
 - 8.5.4.1 Historical Trend (2018-2022)
 - 8.5.4.2 Forecast Trend (2023-2028)
 - 8.5.4.3 Breakup by Type
 - 8.5.4.3.1 Commercial
 - 8.5.4.3.2 Military
 - 8.5.5 Unmanned Aerial Vehicles
 - 8.5.5.1 Historical Trend (2018-2022)
 - 8.5.5.2 Forecast Trend (2023-2028)
- 8.6 Global Airborne SATCOM Market by Installation Type
 - 8.6.1 New Installation
 - 8.6.1.1 Historical Trend (2018-2022)
 - 8.6.1.2 Forecast Trend (2023-2028)
 - 8.6.2 Upgradation
 - 8.6.2.1 Historical Trend (2018-2022)

- 8.6.2.2 Forecast Trend (2023-2028)
- 8.7 Global Airborne SATCOM Market by Frequency
 - 8.7.1 UHF-Band
 - 8.7.1.1 Historical Trend (2018-2022)
 - 8.7.1.2 Forecast Trend (2023-2028)
 - 8.7.2 L-Band
 - 8.7.2.1 Historical Trend (2018-2022)
 - 8.7.2.2 Forecast Trend (2023-2028)
 - 8.7.3 S-Band
 - 8.7.3.1 Historical Trend (2018-2022)
 - 8.7.3.2 Forecast Trend (2023-2028)
 - 8.7.4 C-Band
 - 8.7.4.1 Historical Trend (2018-2022)
 - 8.7.4.2 Forecast Trend (2023-2028)
 - 8.7.5 X-Band
 - 8.7.5.1 Historical Trend (2018-2022)
 - 8.7.5.2 Forecast Trend (2023-2028)
 - 8.7.6 Ku-Band
 - 8.7.6.1 Historical Trend (2018-2022)
 - 8.7.6.2 Forecast Trend (2023-2028)
 - 8.7.7 Ka-Band
 - 8.7.7.1 Historical Trend (2018-2022)
 - 8.7.7.2 Forecast Trend (2023-2028)
- 8.8 Global Airborne SATCOM Market by Application
 - 8.8.1 Government and Defence
 - 8.8.1.1 Historical Trend (2018-2022)
 - 8.8.1.2 Forecast Trend (2023-2028)
 - 8.8.2 Commercial
 - 8.8.2.1 Historical Trend (2018-2022)
 - 8.8.2.2 Forecast Trend (2023-2028)
- 8.9 Global Airborne SATCOM Market by Region
 - 8.9.1 North America
 - 8.9.1.1 Historical Trend (2018-2022)
 - 8.9.1.2 Forecast Trend (2023-2028)
 - 8.9.2 Europe
 - 8.9.2.1 Historical Trend (2018-2022)
 - 8.9.2.2 Forecast Trend (2023-2028)
 - 8.9.3 Asia Pacific
 - 8.9.3.1 Historical Trend (2018-2022)
 - 8.9.3.2 Forecast Trend (2023-2028)
 - 8.9.4 Latin America
 - 8.9.4.1 Historical Trend (2018-2022)
 - 8.9.4.2 Forecast Trend (2023-2028)
 - 8.9.5 Middle East and Africa
 - 8.9.5.1 Historical Trend (2018-2022)
 - 8.9.5.2 Forecast Trend (2023-2028)
- 9 North America Airborne SATCOM Market Analysis

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- 9.1 United States of America
 - 9.1.1 Historical Trend (2018-2022)
 - 9.1.2 Forecast Trend (2023-2028)
- 9.2 Canada
 - 9.2.1 Historical Trend (2018-2022)
 - 9.2.2 Forecast Trend (2023-2028)
- 10 Europe Airborne SATCOM Market Analysis
 - 10.1 United Kingdom
 - 10.1.1 Historical Trend (2018-2022)
 - 10.1.2 Forecast Trend (2023-2028)
 - 10.2 Germany
 - 10.2.1 Historical Trend (2018-2022)
 - 10.2.2 Forecast Trend (2023-2028)
 - 10.3 France
 - 10.3.1 Historical Trend (2018-2022)
 - 10.3.2 Forecast Trend (2023-2028)
 - 10.4 Italy
 - 10.4.1 Historical Trend (2018-2022)
 - 10.4.2 Forecast Trend (2023-2028)
 - 10.5 Others
- 11 Asia Pacific Airborne SATCOM Market Analysis
 - 11.1 China
 - 11.1.1 Historical Trend (2018-2022)
 - 11.1.2 Forecast Trend (2023-2028)
 - 11.2 Japan
 - 11.2.1 Historical Trend (2018-2022)
 - 11.2.2 Forecast Trend (2023-2028)
 - 11.3 India
 - 11.3.1 Historical Trend (2018-2022)
 - 11.3.2 Forecast Trend (2023-2028)
 - 11.4 ASEAN
 - 11.4.1 Historical Trend (2018-2022)
 - 11.4.2 Forecast Trend (2023-2028)
 - 11.5 Australia
 - 11.5.1 Historical Trend (2018-2022)
 - 11.5.2 Forecast Trend (2023-2028)
 - 11.6 Others
- 12 Latin America Airborne SATCOM Market Analysis
 - 12.1 Brazil
 - 12.1.1 Historical Trend (2018-2022)
 - 12.1.2 Forecast Trend (2023-2028)
 - 12.2 Argentina
 - 12.2.1 Historical Trend (2018-2022)
 - 12.2.2 Forecast Trend (2023-2028)
 - 12.3 Mexico
 - 12.3.1 Historical Trend (2018-2022)
 - 12.3.2 Forecast Trend (2023-2028)

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- 12.4 Others
- 13 Middle East and Africa Airborne SATCOM Market Analysis
 - 13.1 Saudi Arabia
 - 13.1.1 Historical Trend (2018-2022)
 - 13.1.2 Forecast Trend (2023-2028)
 - 13.2 United Arab Emirates
 - 13.2.1 Historical Trend (2018-2022)
 - 13.2.2 Forecast Trend (2023-2028)
 - 13.3 Nigeria
 - 13.3.1 Historical Trend (2018-2022)
 - 13.3.2 Forecast Trend (2023-2028)
 - 13.4 South Africa
 - 13.4.1 Historical Trend (2018-2022)
 - 13.4.2 Forecast Trend (2023-2028)
 - 13.5 Others
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths
 - 14.1.2 Weaknesses
 - 14.1.3 Opportunities
 - 14.1.4 Threats
 - 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
 - 14.3 Key Indicators for Demand
 - 14.4 Key Indicators for Price
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Company Profiles
 - 15.2.1 Aselsan A.S.
 - 15.2.1.1 Company Overview
 - 15.2.1.2 Product Portfolio
 - 15.2.1.3 Demographic Reach and Achievements
 - 15.2.1.4 Certifications
 - 15.2.2 Collins Aerospace
 - 15.2.2.1 Company Overview
 - 15.2.2.2 Product Portfolio
 - 15.2.2.3 Demographic Reach and Achievements
 - 15.2.2.4 Certifications
 - 15.2.3 Honeywell International Inc.
 - 15.2.3.1 Company Overview
 - 15.2.3.2 Product Portfolio
 - 15.2.3.3 Demographic Reach and Achievements
 - 15.2.3.4 Certifications

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15.2.4 General Dynamics Corporation

15.2.4.1 Company Overview

15.2.4.2 Product Portfolio

15.2.4.3 Demographic Reach and Achievements

15.2.4.4 Certifications

15.2.5 Cobham Aerospace Communications

15.2.5.1 Company Overview

15.2.5.2 Product Portfolio

15.2.5.3 Demographic Reach and Achievements

15.2.5.4 Certifications

15.2.6 Others

16 Key Trends and Developments in the Market

List of Key Figures and Tables

1. Global Airborne SATCOM Market: Key Industry Highlights, 2018 and 2028
2. Global Airborne SATCOM Historical Market: Breakup by Component (USD Billion), 2018-2022
3. Global Airborne SATCOM Market Forecast: Breakup by Component (USD Billion), 2023-2028
4. Global Airborne SATCOM Historical Market: Breakup by Platform (USD Billion), 2018-2022
5. Global Airborne SATCOM Market Forecast: Breakup by Platform (USD Billion), 2023-2028
6. Global Airborne SATCOM Historical Market: Breakup by Installation Type (USD Billion), 2018-2022
7. Global Airborne SATCOM Market Forecast: Breakup by Installation Type (USD Billion), 2023-2028
8. Global Airborne SATCOM Historical Market: Breakup by Frequency (USD Billion), 2018-2022
9. Global Airborne SATCOM Market Forecast: Breakup by Frequency (USD Billion), 2023-2028
10. Global Airborne SATCOM Historical Market: Breakup by Application (USD Billion), 2018-2022
11. Global Airborne SATCOM Market Forecast: Breakup by Application (USD Billion), 2023-2028
12. Global Airborne SATCOM Historical Market: Breakup by Region (USD Billion), 2018-2022
13. Global Airborne SATCOM Market Forecast: Breakup by Region (USD Billion), 2023-2028
14. North America Airborne SATCOM Historical Market: Breakup by Country (USD Billion), 2018-2022
15. North America Airborne SATCOM Market Forecast: Breakup by Country (USD Billion), 2023-2028
16. Europe Airborne SATCOM Historical Market: Breakup by Country (USD Billion), 2018-2022
17. Europe Airborne SATCOM Market Forecast: Breakup by Country (USD Billion), 2023-2028
18. Asia Pacific Airborne SATCOM Historical Market: Breakup by Country (USD Billion), 2018-2022
19. Asia Pacific Airborne SATCOM Market Forecast: Breakup by Country (USD Billion), 2023-2028
20. Latin America Airborne SATCOM Historical Market: Breakup by Country (USD Billion), 2018-2022
21. Latin America Airborne SATCOM Market Forecast: Breakup by Country (USD Billion), 2023-2028
22. Middle East and Africa Airborne SATCOM Historical Market: Breakup by Country (USD Billion), 2018-2022
23. Middle East and Africa Airborne SATCOM Market Forecast: Breakup by Country (USD Billion), 2023-2028
24. Global Airborne SATCOM Market Structure

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