

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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