

Global Aircraft Interface Device Market Size study & Forecast, by Application (Flight tracking, Quick Access Recording, Aircraft Condition Monitoring System (ACMS), DVR and Video Streaming, Others) by Aircraft Type (Fixed Wing, Rotary Wing), by Connectivity (Wired, Wireless) and Regional Analysis, 2023-2030

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Abstracts

Global Aircraft Interface Device Market is valued approximately at USD 214.21 million in 2022 and is anticipated to grow with a growth rate of more than 13.1% over the forecast period 2023-2030. The Aircraft Interface Device (AID) is a hardware system designed to facilitate communication between an Electronic Flight Bag (EFB) and the aircraft's data bus. It enables the retrieval of crucial information, including the aircraft's position and speed, from its avionics by interfacing with the ARINC 717 and ARINC 429 data buses. Among its capabilities, the AID includes features such as automatic updates for flight planning and real-time weather information during the course of the flight. The Aircraft Interface Device market is expanding because of factors such as the introduction of regulatory mandates to use AID, rise in the air traffic and modernization of aircraft fleet.

The sustained expansion of global air travel and the corresponding surge in air traffic underscore the imperative for embracing advanced avionic solutions to effectively navigate the escalating intricacies of airspace. Aircraft Interface Devices (AIDs) emerge as pivotal components in this scenario, offering essential contributions to streamlined communication and meticulous data management within the constraints of congested skies. As the volume of air traffic continues to rise, AIDs play a crucial role in optimizing the exchange of information among diverse avionic systems, facilitating enhanced coordination, navigation, and overall operational efficiency. In essence, AIDs are

instrumental in ensuring the seamless functioning of aircraft systems in densely populated airspace, thereby contributing to the safety and efficacy of global air travel. The International Air Transport Association (IATA) report 2022, expects overall air traveler numbers to reach 4.0 billion in 2024. From the same source, it has been found that the total number of travelers in 2021 was 47% higher than in 2019 and 83% in 2022, and it is expected to reach 94% by the year 2023, 103% by the year 2024 and 111% by the year 2025. In addition, advancements in avionics technology and increased focus on flight efficiency and safety are creating new opportunities for the market growth. However, data safety concerns in the device stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Aircraft Interface Device Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the fact that the market expansion is linked to the increasing number of aircraft and airlines in the region. Major players in the airline industry, including American Airlines, Delta Airlines, Southwest Airlines, and others, are anticipated to provide a significant impetus to market growth in the region. The Asia Pacific region is poised to achieve the fastest Compound Annual Growth Rate (CAGR) in the global market during the forecast period. The upsurge in the aircraft fleet, driven by a growing number of air travelers and the establishment of new airlines, is set to contribute substantially to the regional market expansion. Additionally, the escalating demand for advanced avionic systems featuring connected devices within aircraft is expected to further stimulate growth in the regional market.

Major market player included in this report are:

Astronics Corporation

Collins Aerospace

SCI Technology Inc.

Skytrac System LLC.

Teledyne Controls LLC

Thales SA

The Boeing Company

Elbit System

DAC International Inc.

CMC Electronics Inc.

Recent Developments in the Market:

In August 2023, FLYHT Aerospace Solutions LLC disclosed the extension of a five-year contract with a longstanding aircraft lease customer. This extension involves the continued provision of software services for the customer's entire Boeing 777 and 767 fleets.

In May 2023, Raytheon Technologies made an announcement regarding the installation of Collins Aerospace's IntelliSight aircraft interface device on over 200 JetBlue Airways Airbus A320 aircraft. The primary objective of this device is to securely collect, record, store, encode, and transmit aircraft data to Collins' Global Connect cloud platform, facilitating real-time access to data. JetBlue can leverage this capability to make adjustments to service schedules and enhance the durability of its aircraft.

Global Aircraft Interface Device Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Application, Aircraft Type, Connectivity, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Flight tracking

Quick Access Recording

Aircraft Condition Monitoring System (ACMS)

DVR and Video Streaming

Others

By Aircraft Type:

Fixed Wing

Rotary Wing

By Connectivity:

Wired

Wireless

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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