

Aircraft Interface Devices Aid - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The Aircraft Interface Devices Aid Market size is estimated at USD 184.60 million in 2024, and is expected to reach USD 276.10 million by 2029, growing at a CAGR of 8.38% during the forecast period (2024-2029).

The growing aircraft procurement in the commercial and general aviation sectors is currently driving the market revenues. Developments in aircraft health management systems and the growing emphasis on predictive maintenance may boost the growth of the aircraft interface device market. Another reason for the growth in usage of aircraft interface devices is the need to improve the safety and efficiency of the aircraft.

Key Highlights

-A few limitations can hamper the development of the aircraft interface device (AID) industry. The high initial cost of aircraft interface device (AID) system deployment, which includes the price of hardware, software, installation, and integration, is one major barrier. For small and medium-sized firms with limited resources, this might not be easy. Additionally, the difficult certification process for AIDs, which necessitates adherence to exacting aviation rules and standards, may provide challenges and cause delays in the deployment of AID systems.

Aircraft Interface Devices Aid Market Trends

Commercial Aircraft Segment to have the Largest Market Share During the Forecast Period

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- The commercial aircraft segment currently dominates the market during the forecasted period. Additionally, the increasing demand for new-generation aircraft is propelling the market, as aircraft interface devices play a more prominent role in the latest commercial aircraft models. Within the commercial aircraft segment, these devices assist airlines and MRO stations by expanding the use of portable screens in cockpits, replacing conventional paper-based charts. This facilitates greater access to aircraft data for pilots while enabling commercial aircraft maintenance providers to benefit increasingly from real-time data available through these devices.
- Moreover, real-time data availability enables airlines to monitor various performance parameters, allowing for better flight planning and potential reduction of operating costs. For instance, in May 2023, Ryanair, the European low-cost airline, entered an agreement with Boeing to purchase 150 B737 MAX 10 aircraft, with an option for an additional 150 jets. Companies such as GE Aviation, Collins Aerospace, L3Harris Technologies Inc., Honeywell International Inc., and Cobham Limited supply avionic components for different models within the Boeing Company's commercial aircraft portfolio.
- Consequently, with a substantial demand for commercial aircraft utilizing these aircraft interface devices and their increasing integration across all commercial aircraft, the revenue from the commercial segment is anticipated to dominate the market in the forthcoming years.

Asia-Pacific to be the Fastest Growing Market for Aircraft Interface Devices During the Forecast Period

- The Asia-Pacific region is poised to become the fastest-growing market for aircraft interface devices during the forecasted period. This region boasts one of the world's swiftest-growing air passenger traffic, primarily driven by countries such as China, India, Japan, and Indonesia, which are anticipated to emerge as key aviation markets for inbound, outbound, and domestic passenger flows. This surge in air travel demand aligns with an increasing need for commercial aircraft in the region, consequently driving the demand for various aircraft components, including interface devices.
- According to projections by Boeing, approximately 40% of the new aircraft deliveries in the next two decades are expected to be in the Asia-Pacific region, further amplifying the requirement for aircraft interface devices. Notably, Air India solidified its order for 250 Airbus aircraft and 220 new Boeing jets valued at USD 70 billion on June 20.
- Moreover, substantial procurement of military aircraft by countries within the region is underway. The region's burgeoning economy also foresees a pivotal role in the general aviation market. These combined factors forecast a significant upsurge in demand for aircraft interface devices within the Asia-Pacific region throughout the forecast period.

Aircraft Interface Devices Aid Industry Overview

Astronics Corporation, THALES, Collins Aerospace (RTX Corporation), Elbit Systems Ltd., and Teledyne Technologies Incorporated are among the prominent players in the market. The market is consolidated, with only a handful of players controlling the major share. However, the competition among these players is intense, as each one strives to attract new customers by introducing innovative technologies and regularly upgrading their existing versions.

For instance, in May 2023, RTX Corporation installed Collins Aerospace's IntelliSight Aircraft Interface Device on over 200 JetBlue Airways Airbus A320 aircraft. This device captures, records, stores, encrypts, and securely transmits aircraft data to Collins' cloud platform, GlobalConnect, for real-time access. This enables JetBlue to adjust service schedules and enhance the aircraft's sustainability. Currently, there's a need for market penetration in the military sector, presenting an opportunity for these players to secure new contracts for military aircraft. Showcasing products with groundbreaking features tailored for military applications could help them attain these contracts.

Additional Benefits:

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- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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