+357 96 030922
info@marketpublishers.com

Aircraft Avionics Market Forecasts to 2034 – Global Analysis By System (Flight Control Systems, Communication Systems, Navigation Systems, Surveillance Systems and Other Systems), Platform, Fit, Application, End User and By Geography

https://marketpublishers.com/r/AD3395D39752EN.html
Date: May 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: AD3395D39752EN

Abstracts

According to Stratistics MRC, the Global Aircraft Avionics Market is accounted for $141.40 billion in 2026 and is expected to reach $200.90 billion by 2034 growing at a CAGR of 7% during the forecast period. Aircraft Avionics refers to the electronic systems used in aircraft for communication, navigation, monitoring, and flight control. These systems include radar, GPS, flight management systems, and cockpit displays. Avionics enhance safety, situational awareness, and operational efficiency. Modern avionics systems are increasingly digital, integrated, and automated. The market is driven by aircraft modernization, increasing air traffic, and advancements in digital technologies. Avionics play a vital role in ensuring safe and efficient aircraft operations.

Market Dynamics:

Driver:

Growing need advanced flight control systems

Modern aircraft require highly sophisticated avionics to ensure precision, safety, and efficiency in operations. Increasing demand for automation in both commercial and defense aviation strengthens adoption. Advanced avionics support enhanced navigation, communication, and monitoring capabilities. Rising passenger traffic and fleet modernization programs further accelerate integration. Collectively, these factors ensure sustained growth in avionics deployment across global fleets.

+357 96 030922
info@marketpublishers.com

Restraint:

Complexity integrating legacy aircraft systems

Older aircraft often lack compatibility with modern digital avionics, requiring costly retrofits. Integration challenges increase certification timelines and operational risks. Airlines face difficulties balancing modernization with cost efficiency. Smaller operators struggle to justify upgrades due to limited budgets. These factors slow down the pace of avionics adoption in aging fleets.

Opportunity:

Expansion in unmanned aerial systems

UAS platforms require advanced avionics for navigation, communication, and remote monitoring. Rising investments in defense and commercial drone applications accelerate demand. Integration of AI-driven avionics enhances autonomy and operational efficiency. The growing use of UAS in logistics, surveillance, and passenger transport further supports adoption. This segment is poised to become a significant growth driver for avionics manufacturers.

Threat:

Rapid technological obsolescence challenges

Continuous innovation in digital systems shortens product lifecycles. Airlines face rising costs to keep pace with evolving standards. Frequent upgrades increase financial strain on operators. Suppliers must balance innovation with long-term reliability to maintain competitiveness. This dynamic environment creates uncertainty for stakeholders across the value chain.

Covid-19 Impact:

The Covid-19 pandemic disrupted the avionics market through reduced aircraft deliveries and delayed retrofit programs. Airlines postponed investments in advanced avionics to conserve capital. Supply chain disruptions affected the availability of critical components. However, recovery in passenger traffic has reignited demand for modern avionics systems. The pandemic also accelerated interest in touchless interfaces and

+357 96 030922
info@marketpublishers.com

digital monitoring to enhance safety. These shifts are expected to reshape adoption trends in the post-pandemic era.

The communication systems segment is expected to be the largest during the forecast period

The communication systems segment is expected to account for the largest market share during the forecast period as airlines and defense operators prioritize reliable communication for operational safety. Increasing reliance on satellite and digital communication technologies reinforces segment dominance. The ability to support both passenger connectivity and operational communications makes communication systems indispensable. This ensures sustained leadership of the segment in the avionics market.

The safety & monitoring segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the safety & monitoring segment is predicted to witness the highest growth rate due to increasing focus on operational safety and efficiency. Airlines are prioritizing monitoring system upgrades to meet stringent regulatory standards. Integration of advanced safety solutions enhances aircraft performance and reliability. Rising fleet sizes across commercial and regional aircraft further boost demand. As safety remains a critical priority, this segment will expand rapidly in the coming years.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share owing to its strong aerospace industry base. The presence of major OEMs and avionics suppliers ensures steady demand. Continuous investments in defense aircraft programs further reinforce regional growth. Airlines in the U.S. and Canada are actively modernizing fleets, supporting adoption of advanced avionics technologies. Regulatory emphasis on safety and performance also contributes to North America’s leadership position.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR driven by rapid fleet expansion and rising passenger traffic. Countries such as China, India, and Southeast Asia are witnessing strong growth in air travel. Airlines in

+357 96 030922
info@marketpublishers.com

the region are investing heavily in new aircraft deliveries, boosting demand for avionics systems. The rise of low-cost carriers further accelerates adoption of cost-effective solutions. With expanding middle-class populations and increasing disposable incomes, Asia Pacific will remain the fastest-growing regional market.

Key players in the market

Some of the key players in Aircraft Avionics Market include Honeywell International Inc., Thales Group, Collins Aerospace, Garmin Ltd., L3Harris Technologies, Inc., Safran S.A., Boeing Avionics, Airbus Defence and Space, BAE Systems plc, Leonardo S.p.A., Cobham Limited, Aspen Avionics, Avidyne Corporation, Elbit Systems Ltd. and General Electric Company.

Key Developments:

In January 2026, Thales and Air India celebrated the official debut of the airline's new Boeing 787-9 fleet equipped with the 'AVANT Up' Inflight Entertainment (IFE) system. This collaboration makes Air India the first carrier in the Asia-Pacific region to deploy the 4K HDR platform, featuring 'Pulse' dynamic power technology for high-speed USB-C charging at every seat.

In November 2025, Honeywell signed a three-year strategic partnership with Global Aerospace Logistics (GAL) to streamline and enhance defense component repairs in the United Arab Emirates. This collaboration focuses on improving the availability of critical avionics and mechanical parts for the UAE’s military fleet through localized logistics and technical support.

Systems Covered:

- Flight Control Systems
- Communication Systems
- Navigation Systems
- Surveillance Systems
- Other Systems

+357 96 030922
info@marketpublishers.com

Platforms Covered:

- Commercial Aircraft
- Military Aircraft
- Business Jets
- Helicopters
- UAVs

Fits Covered:

- Line Fit
- Retrofit

Applications Covered:

- Flight Operations
- Safety & Monitoring
- Traffic Management
- Mission Systems
- Other Applications

End Users Covered:

- OEMs
- Airlines

+357 96 030922
info@marketpublishers.com

- MRO Providers
- Defense Organizations
- Other End Users

Regions Covered:

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - United Kingdom
  - Germany
  - France
  - Italy
  - Spain
  - Netherlands
  - Belgium
  - Sweden
  - Switzerland
  - Poland

+357 96 030922
info@marketpublishers.com

- Rest of Europe

Asia Pacific

- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore
- Vietnam
- Rest of Asia Pacific

South America

- Brazil
- Argentina
- Colombia
- Chile
- Peru
- Rest of South America

+357 96 030922
info@marketpublishers.com

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

+357 96 030922
info@marketpublishers.com

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 GLOBAL AIRCRAFT AVIONICS MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Aircraft Avionics Market Forecasts to 2034 – Global Analysis By System (Flight Control Systems, Communication Systems, Navigation Systems, Surveillance Systems and Other Systems), Platform, Fit, Application, End User and By Geography

Product link: https://marketpublishers.com/r/AD3395D39752EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/AD3395D39752EN.html