

**Commercial Aircraft NextGen Avionics Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By System (Flight Management System, Communication System, Electric and Navigation System, Surveillance and Emergency System, Collision Avoidance System, Weather System, and Others), By Installation Stage (Forward Fit and Retrofit), By Aircraft Type (Narrow Body and Wide Body), By Region, Competition, 2020-2030F**

Market Report | 2025-12-09 | 180 pages | TechSci Research

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**Report description:****Market Overview**

The Global Commercial Aircraft NextGen Avionics Market, valued at USD 25.60 Billion in 2024, is projected to experience a CAGR of 8.71% to reach USD 42.25 Billion by 2030. Commercial aircraft NextGen avionics encompass advanced electronic systems for communication, navigation, surveillance, air traffic management, flight control, and information processing, designed to optimize aircraft operations within evolving global airspace frameworks and enhance safety and efficiency.

**Key Market Drivers**

Rising global air passenger traffic represents a fundamental driver for the NextGen avionics market, necessitating advanced systems to manage increasing airspace complexity and ensure safety. As more individuals travel by air, the demand for sophisticated navigation, communication, and surveillance tools grows, enabling efficient handling of denser air corridors and optimized flight routes.

**Key Market Challenges**

A significant challenge impeding market expansion in the Global Commercial Aircraft NextGen Avionics Market involves the substantial costs associated with the research, development, and certification processes for new avionics technologies. These

considerable financial outlays create a high barrier to entry for manufacturers, often extending development cycles and increasing financial risk before a product can reach commercialization. For airlines, the costs associated with adopting, integrating, and maintaining these advanced systems represent a significant capital expenditure, directly affecting their decisions regarding fleet modernization.

#### Key Market Trends

The Global Commercial Aircraft NextGen Avionics Market is significantly influenced by the growing adoption of artificial intelligence and machine learning in avionics. These advanced technologies are moving beyond basic automation to provide sophisticated capabilities such as predictive maintenance, enhanced decision support for pilots, and optimized flight operations, contributing to improved safety and efficiency.

#### Key Market Players

- Honeywell
- Collins Aerospace
- Thales
- Garmin
- Universal Avionics
- L3Harris
- BAE Systems
- Curtiss-Wright
- Safran
- GE Aviation

#### Report Scope:

In this report, the Global Commercial Aircraft NextGen Avionics Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Commercial Aircraft NextGen Avionics Market, By System:
  - o Flight Management System
  - o Communication System
  - o Electric and Navigation System
  - o Surveillance and Emergency System
  - o Collision Avoidance System
  - o Weather System
  - o Others
- Commercial Aircraft NextGen Avionics Market, By Installation Stage:
  - o Forward Fit
  - o Retrofit
- Commercial Aircraft NextGen Avionics Market, By Aircraft Type:
  - o Narrow Body
  - o Wide Body
- Commercial Aircraft NextGen Avionics Market, By Region:
  - o North America
    - United States
    - Canada
    - Mexico
  - o Europe
    - France
    - United Kingdom
    - Italy
    - Germany

- Spain
- o Asia Pacific
- China
- India
- Japan
- Australia
- South Korea
- o South America
- Brazil
- Argentina
- Colombia
- o Middle East & Africa
- South Africa
- Saudi Arabia
- UAE

#### Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Commercial Aircraft NextGen Avionics Market.

#### Available Customizations:

Global Commercial Aircraft NextGen Avionics Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

#### Company Information

- Detailed analysis and profiling of additional market players (up to five).

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