

The Connected Aircraft Market is Projected to Expand at a 14.3% CAGR Until 2030, According to Industry Report

*The Business Research Company's
Connected Aircraft Global Market Report
2025 – Market Size, Trends, And Forecast
2025-2034*

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/EINPresswire.com/ -- The aviation industry is undergoing a remarkable transformation with the rise of connected aircraft technology. This innovation is reshaping how planes communicate with ground systems, enhancing efficiency, safety, and passenger experience. Let's explore the current market size, growth drivers, key regional players, and the trends shaping the future of the [connected aircraft market](#).



Connected Aircraft Market Size and Expansion Outlook for 2026

The connected aircraft market has witnessed swift growth in recent years. It is projected to increase from \$9.11 billion in 2025 to \$10.53 billion in 2026, reflecting a strong compound annual growth rate (CAGR) of 15.5%. This past growth has been driven by the widespread adoption of satellite-based connectivity, which enables continuous communication between aircraft and ground control. Additionally, the increased use of onboard hardware and applications facilitates real-time operational data exchange. Rising demand for superior passenger connectivity and in-flight digital services, along with advancements in airborne communication systems that improve safety and situational awareness, have further propelled market expansion. Airlines are also investing more heavily in connected solutions to optimize fuel consumption and enhance flight efficiency.

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Forecasted Surge and Key Factors Influencing Connected Aircraft Market by 2030

Looking ahead, the market is expected to grow rapidly, reaching \$17.94 billion by 2030 at a CAGR of 14.3%. This anticipated growth is attributed to the greater integration of next-generation broadband satellite networks, which support higher data throughput rates. There is also a rising

adoption of predictive analytics and connected aircraft platforms that enable real-time management of entire fleets. The development of digital ecosystems that seamlessly connect ground operations with airborne systems is facilitating improved command and control. Furthermore, increasing demand for cyber-secure communication networks to safeguard aviation data, along with AI-powered onboard applications that enhance operational decision-making and passenger experience, are key growth drivers. Prominent trends during this period include real-time flight analytics, improved passenger connectivity solutions, predictive maintenance via connected sensors, optimized aircraft-to-ground communication, and cloud-based fleet management.

Understanding Connected Aircraft and Its Role in Modern Aviation

Connected aircraft solutions combine satellite technology, aircraft hardware, airtime connectivity, and a suite of applications both onboard and offboard. Their purpose is to revolutionize communication throughout the aviation sector, enabling seamless connections between planes and ground control. This integration enhances flight safety, operational efficiency, and passenger comfort by delivering continuous data flow and communication capabilities throughout the flight.

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<https://www.thebusinessresearchcompany.com/report/connected-aircraft-global-market-report>

Growing Air Passenger Traffic as a Major Growth Driver for the Connected Aircraft Market

One of the primary factors fueling the expansion of the connected aircraft market is the rising volume of air passenger travel. With more people flying than ever before, airlines are expanding their fleets to meet this growing demand. To illustrate, in November 2024, Eurostat—the statistical office of the European Union based in Luxembourg—reported that air travel in the EU reached 973 million passengers in 2023. This figure represents a 19.3% increase compared to 2022. Such surges in passenger numbers directly contribute to the need for advanced connected aircraft technologies to support more efficient and safer operations.

North America's Leading Position and Regional Growth in the Connected Aircraft Market

In 2025, North America held the largest share of the connected aircraft market. This region is also expected to experience the fastest growth throughout the forecast period. The market report highlights other key regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa, offering a comprehensive view of the global market landscape and regional development trends.

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