

Connected Aircraft Market by Type (Hardware, Software), Platform (Commercial, Business & General Aviation, Military, UAV, AAM), Connectivity (In-Flight, Air-To-Air, Air-To-Ground) & Region (North America, Europe, APAC, MEA, ROW) - Global Forecast to 2028

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Report description:

The Connected Aircraft Market size is projected to grow from USD 10.0 billion in 2023 to USD 16.5 billion by 2028, at a CAGR of 10.6% from 2023 to 2028. Connected aircraft facilitate real-time data transmission between the aircraft and ground systems, enabling airlines to monitor and optimize flight operations. This, in turn, can result in enhanced fuel efficiency, minimized maintenance expenses, and overall improved operational efficiency.

The Software segment is expected to grow the highest during the forecast period.

Based on type, the software segment is projected to grow the highest in the Connected Aircraft Market during the forecast period. As aircraft become more connected, cybersecurity becomes a crucial concern. The software segment is witnessing growth as airlines and manufacturers invest in robust cybersecurity solutions to protect aircraft systems from potential cyber threats and attacks.

The Advanced Air Mobility segment is projected to have the highest CAGR in the market during the forecast period. Based on the platform, the Advanced Air Mobility (AAM) segment is expected to have the highest CAGR in the market during the forecast period. AAM platforms heavily rely on advanced technologies, such as autonomous flight systems, electric propulsion, and advanced communication networks. Ongoing developments and innovations in these areas are driving the growth of AAM platforms.

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In-flight connectivity is projected to lead the Connected Aircraft Market during the forecast period.

Based on connectivity, the in-flight connectivity segment is projected to lead the Connected Aircraft Market during the forecast period. Technological advancements have made in-flight connectivity more reliable, faster, and cost-effective. The development of advanced satellite and air-to-ground communication systems has significantly improved the quality of in-flight internet services.

North America is expected to account for the largest market share in 2023.

The Connected Aircraft market has been studied for the regions North America, Europe, Asia Pacific, and Rest of the World. North America boasts a strong economy and a significant level of investment in research and development. This financial capacity allows airlines and aerospace companies to invest in advanced connected aircraft technologies. The region fosters collaborations between technology companies, airlines, and aerospace manufacturers. These partnerships facilitate the development and deployment of innovative connected aircraft solutions. The commercial aviation industry in North America is also robust and extensive, with major airlines, aircraft leasing companies, and a substantial fleet of operational aircraft. This sizable scale of operations presents a significant market for connected aircraft solutions.

The break-up of the profile of primary participants in the Connected Aircraft Market:

- -□By Company Type: Tier 1 55%, Tier 2 25%, and Tier 3 20%
- By Designation: C Level 50%, Director Level 25%, Others-25%
- By Region: North America 47%, Europe 21%, Asia Pacific 21%, Rest of the World 11%.

Prominent companies include Honeywell International (US), Raytheon Technologies Corporation (US), Thales Group (France), Viasat Inc (US), and Gogo Inc (US) are some of the major players.

Research Coverage:

The report segments the Connected Aircraft Market based on Type (Hardware, Software), By Platform (Commercial Aviation, Military Aviation, Business Aviation and General Aviation, Unmanned Aerial Vehicles,

Advanced Air Mobility), By Connectivity (In-Flight Connectivity, Air-to-Air Connectivity, Air-to-Ground Connectivity), and Region. The Connected Aircraft Market has been studied in North America, Europe, Asia Pacific, the Middle East, and the Rest of the World. The scope of the report covers extensive information covering market overviews, such as drivers, restraints, challenges, and opportunities, that drive the growth in the market. Analysis of key players in the industry providing business overviews, products, solutions, and services, key strategies, recent developments, and new product & service launches associated with the Connected Aircraft market is also covered in the report. An extensive competitive analysis of the key players and the up-and-coming startups in the Connected Aircraft Ecosystem is also covered in the report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Connected Aircraft Market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (Growing demand to increase airline operational efficiency; Increasing demand for in-flight connectivity; Rising demand for enhanced airline and passenger safety; Advancements in communication technologies), restraints (Limited bandwidth for connected aircraft; Cybersecurity risks), opportunities (Enhancing aircraft maintenance with connected aircraft solutions; Increased focus on predictive maintenance), and challenges (Lack of skilled labor; Software updates and maintenance challenges in connected aircraft) influencing the growth of the connected aircraft market

- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new

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product & service launches in the Connected Aircraft Market

- Market Development: Comprehensive information about lucrative markets the report analyses the Connected Aircraft Market across varied regions
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the Connected Aircraft Market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players in the Connected Aircraft Market

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