

Airline IoT Market Size, Share, and Outlook, 2025 Report- By Application (In-flight Entertainment and Connectivity, Fuel management and Energy Savings, Predictive Maintenance and Vehicle Diagnostics, Engine Performance Optimization, Others), By Component (IoT Devices, IoT Gateway & Networking Devices, IoT Solutions), By IoT Services (Managed Services, Professional Services), By Connectivity (Wi-Fi, Bluetooth), 2018-2032

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Abstracts

Airline IoT Market Outlook

The Airline IoT Market size is expected to register a growth rate of 21.6% during the forecast period from \$11.22 Billion in 2025 to \$44.1 Billion in 2032. The Airline IoT market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Airline IoT segments across 22 countries from 2021 to 2032. Key segments in the report include By Application (In-flight Entertainment and Connectivity, Fuel management and Energy Savings, Predictive Maintenance and Vehicle Diagnostics, Engine Performance Optimization, Others), By Component (IoT Devices, IoT Gateway & Networking Devices, IoT Solutions), By IoT Services (Managed Services, Professional Services), By Connectivity (Wi-Fi, Bluetooth). Over 70 tables and charts showcase findings from our latest survey report on Airline IoT markets.

Airline IoT Market Insights, 2025

The Airline IoT Market is revolutionizing the aviation industry with AI-powered predictive maintenance, real-time passenger experience enhancements, and IoT-driven baggage tracking solutions. Companies like Honeywell Aerospace, GE Aviation, and Collins Aerospace are leading with automated aircraft health monitoring, machine learning-powered fuel efficiency optimization, and blockchain-backed passenger identity verification. The rise of AI-driven real-time air traffic management, automation-enhanced in-flight predictive analytics, and IoT-enabled seamless airport operations is reshaping airline efficiency. However, cybersecurity risks in IoT-connected aircraft, regulatory challenges in AI-driven aviation safety compliance, and resistance to automation in traditional airline operations present obstacles. Additionally, government mandates for AI-powered aviation safety, tax benefits for IoT-driven fuel efficiency solutions, and compliance policies for digital aviation transformation are shaping market developments.

Five Trends that will define global Airline IoT market in 2025 and Beyond

A closer look at the multi-million market for Airline IoT identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Airline IoT companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Airline IoT vendors.

What are the biggest opportunities for growth in the Airline IoT industry?

The Airline IoT sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Airline IoT Market Segment Insights

The Airline IoT industry presents strong offers across categories. The analytical report

offers forecasts of Airline IoT industry performance across segments and countries. Key segments in the industry include%li%By Application (In-flight Entertainment and Connectivity, Fuel management and Energy Savings, Predictive Maintenance and Vehicle Diagnostics, Engine Performance Optimization, Others), By Component (IoT Devices, IoT Gateway & Networking Devices, IoT Solutions), By IoT Services (Managed Services, Professional Services), By Connectivity (Wi-Fi, Bluetooth). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Airline IoT market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Airline IoT industry ecosystem. It assists decision-makers in evaluating global Airline IoT market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Airline IoT industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Airline IoT Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Airline IoT Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Airline IoT with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Airline IoT market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Airline IoT market Insights%li%Vendors are exploring new opportunities within the US Airline IoT industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Airline IoT companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Airline IoT market.

Latin American Airline IoT market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Airline IoT Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing

population base is attracting new investments in the Middle East and African Airline IoT markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Airline IoT markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Airline IoT companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include Accenture Plc, Amadeus IT Group, Blip System, Cisco Systems Inc, Fujitsu Ltd, Huawei Technologies Co. Ltd, IBM Corp, Sabre Corp, SAP SE, Siemens AG.

Airline IoT Market Segmentation

By Application

In-flight Entertainment and Connectivity

Fuel management and Energy Savings

Predictive Maintenance and Vehicle Diagnostics

Engine Performance Optimization

Others

By Component

IoT Devices

IoT Gateway & Networking Devices

IoT Solutions

By IoT Services

Managed Services

Professional Services

By Connectivity

Wi-Fi

Bluetooth

Leading Companies

Accenture Plc

Amadeus IT Group

Blip System

Cisco Systems Inc

Fujitsu Ltd

Huawei Technologies Co. Ltd

IBM Corp

Sabre Corp

SAP SE

Siemens AG

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22

Airline IoT Market Size, Share, and Outlook, 2025 Report- By Application (In-flight Entertainment and Connecti...

countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

Contents

1. TABLE OF CONTENTS

List of Figures and Tables

2. EXECUTIVE SUMMARY

2.1 Key Highlights

2.1.1 Airline IoT Market Size Outlook, 2018-2024 and 2025-2032

2.1.2 Largest Airline IoT Market Types and Applications

2.1.3 Fastest Growing Segments

2.1.4 Potential Markets

2.1.5 Market Concentration

2.2 Market Scope and Segmentation

2.2.1 Market Scope- Segments

2.2.2 Market Scope- Countries

2.2.3 Macroeconomic and Demographic Outlook

2.2.4 Abbreviations

2.2.5 Units and Currency Conversions

3. RESEARCH METHODOLOGY

3.1 Primary Research Surveys

3.2 Secondary Data Sources

3.3 Data Triangulation

3.4 Forecast Methodology

3.5 Assumptions and Limitations

4. INTRODUCTION TO GLOBAL AIRLINE IOT MARKET IN 2025

4.1 Industry Panorama

4.2 Leading Companies Profiled in the Study

4.3 Asia Pacific Markets offer Robust Market Prospects for New Entrants

4.4 Market Dynamics

4.4.1 Market Dynamics- Trends and Drivers

4.4.2 Market Dynamics- Opportunities and Challenges

4.5 Regional Analysis

4.6 Porter's Five Force Analysis

- 4.6.1 Intensity of Competitive Rivalry
- 4.6.2 Threat of New Entrants
- 4.6.3 Threat of Substitutes
- 4.6.4 Bargaining Power of Buyers
- 4.6.5 Bargaining Power of Suppliers
- 4.7 Airline IoT Industry Value Chain Analysis
 - 4.7.1 Stage of Value Chain
 - 4.7.2 Key Activities of Companies
 - 4.7.3 Companies Included in Each Stage
 - 4.7.4 Key Insights

5. AIRLINE IOT MARKET OUTLOOK TO 2032

- 5.1 Market Size Forecast by Type, 2021-2024 and 2025-2032
- 5.2 Market Size Forecast by Application, 2021-2024 and 2024-2032
- 5.3 Market Size Forecast by Geography, 2021-2024 and 2024-2032

By Application

In-flight Entertainment and Connectivity

Fuel management and Energy Savings

Predictive Maintenance and Vehicle Diagnostics

Engine Performance Optimization

Others

By Component

IoT Devices

IoT Gateway & Networking Devices

IoT Solutions

By IoT Services

Managed Services

Professional Services

By Connectivity

Wi-Fi

Bluetooth

6. GLOBAL AIRLINE IOT MARKET OUTLOOK ACROSS GROWTH SCENARIOS

- 6.1 Low Growth Scenario**
- 6.2 Base/Reference Case**
- 6.3 High Growth Scenario**

6. NORTH AMERICA AIRLINE IOT MARKET SIZE OUTLOOK

6.1 Key Market Statistics, 2024

6.2 North America Airline IoT Market Trends and Growth Opportunities

6.2.1 North America Airline IoT Market Outlook by Type

6.2.2 North America Airline IoT Market Outlook by Application

6.3 North America Airline IoT Market Outlook by Country

6.3.1 The US Airline IoT Market Outlook, 2021- 2032

6.3.2 Canada Airline IoT Market Outlook, 2021- 2032

6.3.3 Mexico Airline IoT Market Outlook, 2021- 2032

7. EUROPE AIRLINE IOT MARKET SIZE OUTLOOK

7.1 Key Market Statistics, 2024

7.2 Europe Airline IoT Market Trends and Growth Opportunities

7.2.1 Europe Airline IoT Market Outlook by Type

7.2.2 Europe Airline IoT Market Outlook by Application

7.3 Europe Airline IoT Market Outlook by Country

7.3.2 Germany Airline IoT Market Outlook, 2021- 2032

7.3.3 France Airline IoT Market Outlook, 2021- 2032

7.3.4 The UK Airline IoT Market Outlook, 2021- 2032

7.3.5 Spain Airline IoT Market Outlook, 2021- 2032

7.3.6 Italy Airline IoT Market Outlook, 2021- 2032

7.3.7 Russia Airline IoT Market Outlook, 2021- 2032

7.3.8 Rest of Europe Airline IoT Market Outlook, 2021- 2032

8. ASIA PACIFIC AIRLINE IOT MARKET SIZE OUTLOOK

8.1 Key Market Statistics, 2024

8.2 Asia Pacific Airline IoT Market Trends and Growth Opportunities

8.2.1 Asia Pacific Airline IoT Market Outlook by Type

8.2.2 Asia Pacific Airline IoT Market Outlook by Application

8.3 Asia Pacific Airline IoT Market Outlook by Country

8.3.1 China Airline IoT Market Outlook, 2021- 2032

8.3.2 India Airline IoT Market Outlook, 2021- 2032

8.3.3 Japan Airline IoT Market Outlook, 2021- 2032

8.3.4 South Korea Airline IoT Market Outlook, 2021- 2032

8.3.5 Australia Airline IoT Market Outlook, 2021- 2032

8.3.6 South East Asia Airline IoT Market Outlook, 2021- 2032

8.3.7 Rest of Asia Pacific Airline IoT Market Outlook, 2021- 2032

9. SOUTH AMERICA AIRLINE IOT MARKET SIZE OUTLOOK

9.1 Key Market Statistics, 2024

9.2 South America Airline IoT Market Trends and Growth Opportunities

9.2.1 South America Airline IoT Market Outlook by Type

9.2.2 South America Airline IoT Market Outlook by Application

9.3 South America Airline IoT Market Outlook by Country

9.3.1 Brazil Airline IoT Market Outlook, 2021- 2032

9.3.2 Argentina Airline IoT Market Outlook, 2021- 2032

9.3.3 Rest of South and Central America Airline IoT Market Outlook, 2021- 2032

10. MIDDLE EAST AND AFRICA AIRLINE IOT MARKET SIZE OUTLOOK

10.1 Key Market Statistics, 2024

10.2 Middle East and Africa Airline IoT Market Trends and Growth Opportunities

10.2.1 Middle East and Africa Airline IoT Market Outlook by Type

10.2.2 Middle East and Africa Airline IoT Market Outlook by Application

10.3 Middle East and Africa Airline IoT Market Outlook by Country

10.3.1 Saudi Arabia Airline IoT Market Outlook, 2021- 2032

10.3.2 The UAE Airline IoT Market Outlook, 2021- 2032

10.3.3 Rest of Middle East Airline IoT Market Outlook, 2021- 2032

10.3.4 South Africa Airline IoT Market Outlook, 2021- 2032

10.3.5 Egypt Airline IoT Market Outlook, 2021- 2032

10.3.6 Rest of Africa Airline IoT Market Outlook, 2021- 2032

11. COMPANY PROFILES

11.1 Leading 10 Companies

Accenture Plc

Amadeus IT Group

Blip System

Cisco Systems Inc

Fujitsu Ltd

Huawei Technologies Co. Ltd

IBM Corp

Sabre Corp

SAP SE

Siemens AG

11.2 Overview

11.3 Products and Services

11.4 SWOT Profile

12. APPENDIX

12.1 Subscription Options

12.2 Customization Options

12.3 Publisher Details

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