

U.S. Smart Airport Market Size, Share & Trends Analysis Report By Technology (Security Systems, Communication Systems), By Application (Aeronautical operations, Non-aeronautical operations), By Location (Landside, Airside, Terminal Side), And Segment Forecasts, 2025 - 2033

<https://marketpublishers.com/r/UACF571A1C40EN.html>

Date: September 2025

Pages: 120

Price: US\$ 3,250.00 (Single User License)

ID: UACF571A1C40EN

Abstracts

U.S. Smart Airport Market Size & Trends

The U.S. smart airport market size was estimated at USD 3.27 billion in 2024 and is expected to grow at a CAGR of 7.8% from 2025 to 2033. The increasing demand for smart airport solutions is prompting U.S. airports to modernize legacy infrastructure with advanced technologies to meet rising passenger expectations. Travelers' growing preference for faster, contactless, and seamless experiences is driving the adoption of AI, biometrics, and IoT to optimize operations and enhance customer satisfaction. Major hubs, including Atlanta and Chicago, are investing heavily in smart systems to manage growing traffic and sustain global competitiveness. This trend represents a key driver of market growth, pushing airports to innovate and strengthen their leadership in the aviation sector.

The growing focus on seamless passenger experiences is driving investments in biometric and contactless technologies within the U.S. smart airport industry. Airports are deploying facial recognition, fingerprint scanning, and touchless kiosks to accelerate check-in and security procedures. These innovations reduce congestion, enhance security, and meet passengers' increasing demand for speed and convenience. The adoption of biometric solutions is becoming a key driver of digital transformation across the industry.

The integration of IoT technologies is reshaping the U.S. smart airport market into interconnected ecosystems that enable real-time operational decision-making. IoT sensors track crowd movement, monitor equipment performance, and assess environmental conditions, allowing airports to manage operations proactively. This technology improves efficiency in baggage handling, security screening, and facility maintenance while reducing costs. Airports leveraging IoT are positioned to lead the industry by delivering smarter, data-driven operations.

U.S. Smart Airport Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. smart airport market report based on technology, application, and location:

Technology Outlook (Revenue, USD Million, 2021 - 2033)

Security Systems

Communication Systems

Passenger, Cargo, & Baggage Ground Handling Control

Air/Ground Traffic Control

Others

Application Outlook (Revenue, USD Million, 2021 - 2033)

Aeronautical operations

Non-aeronautical operations

Location Outlook (Revenue, USD Million, 2021 - 2033)

Landside

Airside

Terminal side

This report can be delivered to the clients within 3 Business Days

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Market Definitions
- 1.3. Information Procurement
 - 1.3.1. Information analysis
 - 1.3.2. Market formulation & data visualization
 - 1.3.3. Data validation & publishing
- 1.4. 1.4 Research Scope and Assumptions
 - 1.4.1. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. U.S. SMART AIRPORT MARKET – INDUSTRY OUTLOOK

- 3.1. Market Lineage Outlook
- 3.2. Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.2. Market Restraint Analysis
 - 3.2.3. Market Opportunities
 - 3.2.4. Market Challenges
- 3.3. U.S. Smart Airport Market Analysis Tools
 - 3.3.1. Industry Analysis – Porter’s
 - 3.3.1.1. Bargaining power of the suppliers
 - 3.3.1.2. Bargaining power of the buyers
 - 3.3.1.3. Threats of substitution
 - 3.3.1.4. Threats from new entrants
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political landscape
 - 3.3.2.2. Economic landscape
 - 3.3.2.3. Social landscape
 - 3.3.2.4. Technological landscape

3.3.2.5. Environmental landscape

3.3.2.6. Legal landscape

CHAPTER 4. U.S. SMART AIRPORT: TECHNOLOGY ESTIMATES & TREND ANALYSIS

4.1. Technology Movement Analysis & Market Share, 2024 & 2033

4.2. U.S. Smart Airport Market Estimates & Forecast, By Technology (USD Million)

4.2.1. Security Systems

4.2.1.1. Security Systems Market Estimates and Forecasts, 2021 - 2033 (USD Million)

4.2.2. Communication Systems

4.2.2.1. Communication Systems Market Estimates and Forecasts, 2021 - 2033 (USD Million)

4.2.3. Passenger, Cargo, & Baggage Ground Handling Control

4.2.3.1. Passenger, Cargo, & Baggage Ground Handling Control Market Estimates and Forecasts, 2021 - 2033 (USD Million)

4.2.4. Air/Ground Traffic Control

4.2.4.1. Air/Ground Traffic Control Market Estimates and Forecasts, 2021 - 2033 (USD Million)

4.2.5. Others

4.2.5.1. Others Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 5. U.S. SMART AIRPORT: APPLICATION ESTIMATES & TREND ANALYSIS

5.1. Application Movement Analysis & Market Share, 2024 & 2033

5.2. U.S. Smart Airport Market Estimates & Forecast, By Application (USD Million)

5.2.1. Aeronautical operations

5.2.1.1. Aeronautical operations Market Estimates and Forecasts, 2021 - 2033 (USD Million)

5.2.2. Non-aeronautical operations

5.2.2.1. Non-aeronautical operations Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 6. U.S. SMART AIRPORT: LOCATION ESTIMATES & TREND ANALYSIS

6.1. Location Movement Analysis & Market Share, 2024 & 2033

6.2. U.S. Smart Airport Market Estimates & Forecast, By Location (USD Million)

6.2.1. Landside

6.2.1.1. Landside Market Estimates and Forecasts, 2021 - 2033 (USD Million)

6.2.2. Airside

6.2.2.1. Airside Market Estimates and Forecasts, 2021 - 2033 (USD Million)

6.2.3. Terminal side

6.2.3.1. Terminal side Market Estimates and Forecasts, 2021 - 2033 (USD Million)

CHAPTER 7. U.S. SMART AIRPORT MARKET - COMPETITIVE LANDSCAPE

7.1. Company Categorization

7.2. Company Market Positioning

7.3. Company Heat Map Analysis

7.4. Company Profiles/Listing

7.4.1. Honeywell International Inc.

7.4.1.1. Participant's Overview

7.4.1.2. Financial Performance

7.4.1.3. Product Benchmarking

7.4.1.4. Recent Developments

7.4.2. Cisco Systems, Inc.

7.4.2.1. Participant's Overview

7.4.2.2. Financial Performance

7.4.2.3. Product Benchmarking

7.4.2.4. Recent Developments

7.4.3. L3Harris Technologies, Inc.

7.4.3.1. Participant's Overview

7.4.3.2. Financial Performance

7.4.3.3. Product Benchmarking

7.4.3.4. Recent Developments

7.4.4. IBM Corporation

7.4.4.1. Participant's Overview

7.4.4.2. Financial Performance

7.4.4.3. Product Benchmarking

7.4.4.4. Recent Developments

7.4.5. Raytheon Technologies / Collins Aerospace

7.4.5.1. Participant's Overview

7.4.5.2. Financial Performance

7.4.5.3. Product Benchmarking

7.4.5.4. Recent Developments

7.4.6. Leidos, Inc.

- 7.4.6.1. Participant's Overview
- 7.4.6.2. Financial Performance
- 7.4.6.3. Product Benchmarking
- 7.4.6.4. Recent Developments
- 7.4.7. Infax, Inc.
 - 7.4.7.1. Participant's Overview
 - 7.4.7.2. Financial Performance
 - 7.4.7.3. Product Benchmarking
 - 7.4.7.4. Recent Developments
- 7.4.8. Ascent Technology
 - 7.4.8.1. Participant's Overview
 - 7.4.8.2. Financial Performance
 - 7.4.8.3. Product Benchmarking
 - 7.4.8.4. Recent Developments
- 7.4.9. Sabre Corporation
 - 7.4.9.1. Participant's Overview
 - 7.4.9.2. Financial Performance
 - 7.4.9.3. Product Benchmarking
 - 7.4.9.4. Recent Developments
- 7.4.10. Analogic Corporation
 - 7.4.10.1. Participant's Overview
 - 7.4.10.2. Financial Performance
 - 7.4.10.3. Product Benchmarking
 - 7.4.10.4. Recent Developments
- 7.4.11. Rapiscan Systems
 - 7.4.11.1. Participant's Overview
 - 7.4.11.2. Financial Performance
 - 7.4.11.3. Product Benchmarking
 - 7.4.11.4. Recent Developments
- 7.4.12. Verint Systems Inc.
 - 7.4.12.1. Participant's Overview
 - 7.4.12.2. Financial Performance
 - 7.4.12.3. Product Benchmarking
 - 7.4.12.4. Recent Developments

List Of Tables

LIST OF TABLES

Table 1 U.S. Smart Airport Market - Key Market Driver Impact

Table 2 U.S. Smart Airport Market - Key Market Restraint Impact

Table 3 U.S. Smart Airport Market - Key Market Opportunities

Table 4 U.S. Smart Airport Market - Key Market Challenges

Table 5 U.S. Smart Airport Market Revenue Estimates and Forecast, By Technology, 2021 - 2033 (USD Million)

Table 6 U.S. Smart Airport Market Revenue Estimates and Forecast, By Application, 2021 - 2033 (USD Million)

Table 7 U.S. Smart Airport Market Revenue Estimates and Forecast, By Location, 2021 - 2033 (USD Million)

Table 8 Security Systems estimates & forecast, 2021 - 2033 (USD Million)

Table 9 Communication Systems estimates & forecast, 2021 - 2033 (USD Million)

Table 10 Passenger, Cargo, & Baggage Ground Handling Control estimates & forecast, 2021 - 2033 (USD Million)

Table 11 Air/Ground Traffic Control estimates & forecast, 2021 - 2033 (USD Million)

Table 12 Others estimates & forecast, 2021 - 2033 (USD Million)

Table 13 Aeronautical operations estimates & forecast, 2021 - 2033 (USD Million)

Table 14 Non-aeronautical operations estimates & forecast, 2021 - 2033 (USD Million)

Table 15 Landside estimates & forecast, 2021 - 2033 (USD Million)

Table 16 Airside estimates & forecast, 2021 - 2033 (USD Million)

Table 17 Terminal side estimates & forecast, 2021 - 2033 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 U.S. smart airport market segmentation
- Fig. 2 Information procurement
- Fig. 3 Data analysis models
- Fig. 4 Market formulation and validation
- Fig. 5 Data validating & publishing
- Fig. 6 U.S. smart airport market snapshot
- Fig. 7 U.S. smart airport market segment snapshot
- Fig. 8 U.S. smart airport market competitive landscape snapshot
- Fig. 9 Market research process
- Fig. 10 Market driver relevance analysis (current & future impact)
- Fig. 11 Market restraint relevance analysis (current & future impact)
- Fig. 12 U.S. smart airport market, by technology, key takeaways, 2021 - 2033, revenue (USD Million)
- Fig. 13 U.S. smart airport market, by technology: market share, 2024 & 2033
- Fig. 14 Security Systems market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 15 Communication Systems market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 16 Passenger, Cargo, & Baggage Ground Handling Control market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 17 Air/Ground Traffic Control market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 18 Others market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 19 U.S. smart airport market, by application, key takeaways, 2021 - 2033, revenue (USD Million)
- Fig. 20 U.S. smart airport market, by application: market share, 2024 & 2033
- Fig. 21 Aeronautical operations market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 22 Non-aeronautical operations market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 23 U.S. smart airport market, by location, key takeaways, 2021 - 2033, revenue (USD Million)
- Fig. 24 U.S. smart airport market, by location: market share, 2024 & 2033
- Fig. 25 Landside market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 26 Airside market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 27 Terminal side market estimates & forecast, 2021 - 2033 (USD Million)
- Fig. 28 Key Company Categorization

Fig. 29 Company Market Positioning

Fig. 30 Strategic Framework

I would like to order

Product name: U.S. Smart Airport Market Size, Share & Trends Analysis Report By Technology (Security Systems, Communication Systems), By Application (Aeronautical operations, Non-aeronautical operations), By Location (Landside, Airside, Terminal Side), And Segment Forecasts, 2025 - 2033

Product link: <https://marketpublishers.com/r/UACF571A1C40EN.html>

Price: US\$ 3,250.00 (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/UACF571A1C40EN.html>