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Airport Information System Market Forecasts to 2032 – Global Analysis By Solution (Software and Services), System Type, Airport Category, Deployment Mode, Application, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Airport Information System Market is accounted for $3.74 billion in 2025 and is expected to reach $5.54 billion by 2032 growing at a CAGR of 5.76% during the forecast period. An integrated digital platform used to manage and distribute real-time airport operations data without the need for hardware or software 'drivers' to facilitate device connectivity is known as an Airport Information System (AIS) without drivers. It facilitates tasks including resource allocation, luggage handling, passenger information, and flight scheduling. AIS promote cooperation among stakeholders—airlines, ground crew, and air traffic control—by delivering consolidated, reliable information.

According to the International Air Transport Association (IATA), the number of passengers could double to 8.2 billion by 2037.

Market Dynamics:

Driver:

Rising demand for automation & digitization

Smart technologies are being adopted by airports more frequently in an effort to improve passenger experience and operational efficiency. Automated systems expedite procedures including baggage processing, check-ins, and flight information updates while lowering human error. Real-time data exchange among stakeholders is made

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possible by digital platforms, which enhance responsiveness and decision-making. Effective, contactless solutions are becoming more and more necessary as air transport recovers from the pandemic. As a result, AIS investments are soaring in order to facilitate tech-driven, smooth airport operations.

Restraint:

High initial costs of implementation

Setting up modern AIS necessitates a large infrastructure, software, and hardware investment. Regional or smaller airports frequently lack the funding necessary to make these improvements. Personnel training and integrating new systems with legacy technology are also included in these expenses. Adoption may be discouraged and decision-making delayed by the financial load. Consequently, market expansion is delayed, particularly in developing nations.

Opportunity:

Growth of smart airports & IoT adoption

Advanced AIS is essential to these airports' smooth passenger flow, effective baggage management, and real-time updates. Growing IoT adoption makes it possible for devices to share data seamlessly, increasing operational efficiency. IoT-powered solutions improve safety and maintenance by monitoring airport infrastructure. Personalised services and expedited processing are two more ways that smart technology improves the traveler experience. The need for integrated and intelligent AIS keeps growing as airports across the world undergo modernisation.

Threat:

Economic uncertainty and pandemic effects

Airport revenues decreased as a result of a decline in demand for air travel, which restricted expenditures in new technologies. Many airport authorities were compelled to postpone or cancel system upgrades due to financial restrictions. The epidemic caused delays in the deployment of software and hardware by upsetting global supply networks. Implementation and maintenance activities were further slowed by a lack of personnel and health limitations. As airports put basic operations ahead of digital change, the market as a whole slowed.

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Covid-19 Impact

The COVID-19 pandemic significantly disrupted the Airport Information System market, leading to a sharp decline in air traffic and reduced airport operations globally. Travel restrictions, lockdowns, and decreased passenger volumes forced airports to delay or cancel system upgrades and investments. However, the crisis also accelerated the adoption of contactless technologies, health monitoring systems, and real-time data analytics to enhance passenger safety and operational efficiency. As travel gradually resumed, these innovations positioned the market for a steady recovery and future growth.

The software segment is expected to be the largest during the forecast period

The software segment is expected to account for the largest market share during the forecast period by enabling real-time data processing and efficient airport operations. Advanced software solutions support flight information display systems, baggage handling, and resource management, enhancing passenger experience and operational efficiency. Integration of AI, IoT, and cloud-based platforms in software systems boosts automation and predictive analytics. These innovations help airports handle increased passenger traffic and streamline decision-making. As airports modernize globally, demand for robust software systems continues to rise, driving market growth.

The commercial airports segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the commercial airports segment is predicted to witness the highest growth rate, due to the high volume of passenger and cargo traffic. These airports require advanced systems to manage flight operations, security, baggage handling, and passenger services efficiently. Growing global air travel and the expansion of airport infrastructure increase the demand for integrated AIS solutions. Investments in smart airport technologies further boost adoption in commercial airports. As a result, commercial airports play a vital role in accelerating the growth of the AIS market.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to increased air passenger traffic and government investments in smart

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airport technologies. Countries like China, India, Japan, and South Korea are leading the charge with major infrastructure upgrades and digital transformation initiatives. Rising demand for real-time data, efficient flight operations, and enhanced passenger experience is fueling adoption. Integration of AI, IoT, and cloud-based solutions is further boosting market expansion across the region.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to the rising demand for real-time data sharing, and the modernization of airport infrastructure. Key airports across the U.S. and Canada are adopting advanced technologies and cloud-based systems to enhance passenger experience, operational efficiency, and safety. Major players are investing in smart airport solutions, fueling innovation and competition. The market is expected to witness steady expansion with a focus on digital transformation.

Key players in the market

Some of the key players profiled in the Airport Information System Market include SITA, Amadeus IT Group SA, Honeywell International Inc., Raytheon Technologies Corporation, Siemens Logistics GmbH, Indra Sistemas S.A., T-Systems International GmbH, INFORM GmbH, Thales Group, Ultra Electronics Holdings plc, RESA Airport Data Systems, ADB SAFEGATE, Vanderlande Industries, IBM Corporation, Wipro Limited, TAV Technologies, Lockheed Martin Corporation and NEC Corporation.

Key Developments:

In March 2024, SITA partnered with Envision Digital, a global AIoT software company, to develop advanced energy-efficient and sustainable airport solutions. This partnership focuses on improving airport operations through real-time data analytics and AI.

In March 2024, SITA expanded its presence in India by opening a new office in Noida. The move aims to strengthen local development of Airport Information Systems, especially SITA Flex and biometric identity solutions.

In February 2024, Amadeus partnered with Swedavia, a Swedish airport operator, to implement its cloud-based Airport Passenger Verification system across 10 Swedish airports, including Stockholm Arlanda, supports biometrics and digital identity initiatives, aligning with digital transformation in airport operations.

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Solutions Covered:

- Software
- Services

System Types Covered:

- Airport Operation Control Center (AOCC)
- Departure Control System (DCS)

Airport Categories Covered:

- Class A Airports
- Class B Airports
- Class C Airports

Deployment Modes Covered:

- On-premise
- Cloud-based

Applications Covered:

- Airside
- Terminal Side

End Users Covered:

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- Commercial Airports
- Military/Federal Airports
- Private Airports
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China

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India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

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- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East &

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Africa Regions are also represented in the same manner as above.

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