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Airport Information System Market by Application (Passenger Processing, Flight Operation, Cargo and Baggage Management, Resource Management, Airside Operations), Type, Implementation and Region - Global Forecast to 2030

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Abstracts

The Airport Information Systems market is valued at USD 4.24 billion in 2024 and is projected to reach USD 5.36 billion by 2030, at a CAGR of 4.0% from 2024 to 2030. Airport Information Systems transform airport operations and passenger experiences with innovative technologies and integrated solutions. AIS technologies thus streamline critical functions such as flight information, resource management, baggage handling, and security. Increasing air travel warrants the application of cutting-edge technologies in AIS to meet modern demands. Some of the key innovations include real-time data integration, which allows for easy communication among airlines, airport staff, and passengers. With IoT and cloud computing, systems are connected across terminals and updated in real time. AI and machine learning increasingly find applications in predictive analytics, optimizing resource allocation, and predicting passenger flows to reduce congestion.

The latest trends indicate the development of biometric systems for passenger recognition in self-service kiosks and mobile apps to integrate with AIS, which brings about not only the security aspect of it but also reduces the waiting time of passengers. Cargo management also adopts blockchain technology to ensure safe and transparent transactions of air freight operations.

Based on cargo and baggage management, the Baggage & Cargo Handling and Tracking Software is projected to lead the market during the forecast period 2024-2030.

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Baggage & Cargo Handling and Tracking Software will lead the market because it plays a critical role in improving operational efficiency, enhancing customer satisfaction, and meeting the growing demand for seamless logistics in the aviation sector. In general, with the increase of volume both in passengers and freight cargos, airports and airlines suffer high pressure to handle baggage and freight to act much speedily and accurately. Managing luggage and cargo in real time directly benefits from end-to-end transparency, as advanced tracking technology involves RFID, GPS, and IoT sensors for seamless observation of items, therefore preventing loss or delay through routing and increasing operational visibility.

Based on Airport Digital Signage and Display Systems, Flight Information Display Systems (FIDS) segment is to lead the market during the forecast period

The Airport Information Systems market has been segmented based on Airport Digital Signage and Display Systems into Flight Information Display Systems (FIDS) and digital signage. Flight Information Display Systems (FIDS) segment to lead the market during the forecast period 2024-2030. The Flight Information Display System is poised to spearhead the Airport Information Systems market, as its relevance in ensuring seamless communication to enhance passenger experience becomes apparent. FIDS has also become the primary interface of a modern airport for real-time flight information through updates on arrivals, departures, gate changes, and delays. As global air travel expands, the expectation of passenger demand for accurate, real-time information increases. FIDS fulfills this expectation by integrating with advanced sources of data, such as air traffic control systems and airline databases, to give precise updates in real time. Smart airports also enhance the significance of FIDS as it is often used together with mobile apps and digital signage for multi-channel communication to make sure that passengers are constantly updated at every touch point.

The Asia Pacific market is projected to contribute the most significant share from 2024 to 2030 in the Airport Information Systems market.

Asia-Pacific is expected to lead the Airport Information Systems (AIS) market, driven by rapid economic growth, high demand for air travel, and massive investments in aviation infrastructure in the region. Passenger and cargo volumes in Asia-Pacific are rapidly increasing due to the rising middle-class population, urbanization, and tourism. Some of the fastest-growing aviation markets are in countries such as China, India, and the Southeast Asian nations. They require more sophisticated AIS solutions to manage increased traffic more efficiently. The region hosts several greenfield airport projects and major expansions of existing airports. These include the Beijing Daxing

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International Airport in China and the Navi Mumbai International Airport in India. These projects are incorporating the best-of-breed AIS solutions for passenger processing, baggage handling, and real-time operations management from the beginning.

The break-up of the profile of primary participants in the Airport Information Systems market:

By Company Type: Tier 1 – 49%, Tier 2 – 37%, and Tier 3 – 14%

By Designation: C Level – 55%, Director Level – 27%, and Others – 18%

By Region: North America – 32%, Europe – 32%, Asia Pacific – 16%, Middle East & Africa – 10%, Latin America – 10%

Major companies profiled in the report include SITA (US), Indra. (US), Thales (France), RTX (US), Amadeus (Spain), ADB Safegate (Belgium), Amadeus IT Group S.A (Spain), Siemens A.G (Germany), RESA (Germany), TAV Technologies (Turkey), Damarel Systems International Ltd. (US), CGI Inc. (Canada), Airport information Systems (England), NEC Corporation (Japan), Honeywell International Inc. (US), Deutsche Telekom AG (Germany), among others.

Research Coverage:

This market study covers the Airport Information Systems market across various segments and subsegments. It aims to estimate this market's size and growth potential across different parts based on Application (Passenger processing, Flight Operation, Cargo & Baggage Management, Resource management, Security & Surveillance, Airside operations, Financial & revenue Management) Type (Passenger Centric, Airport Operational Support), Implementation (Upgrades & Modernization, New Installation) and Region (North America, Europe, Asia Pacific, Middle East, Rest of the World).

This study also includes an in-depth competitive analysis of the key players in the market, their company profiles, key observations related to their product and business offerings, recent developments, and key market strategies they adopted.

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The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the overall Airport Information Systems market. 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 market pulse and provides information on key market Drivers (Rise in IT spending in recent years,Increase in use of smartphones, Need for real time information, Increase in use of self-services Technologies at airports), Restraints (High operating costs, Data and Privacy concerns) , Challenges (Increased investments in airport expansion in emerging economies, Emergence of smart airports) , and opportunities (Management of large sets of datasets and generation of predictive insights). The growth of the market can be attributed to increasing air traffic, rising passenger expectations, and the need for enhanced operational efficiency and security at airports.

The report provides insights on the following pointers:

Rising demand for Airport information Systems in commercial aviation drive the market.

Market Penetration: Comprehensive information on Airport information Systems offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the Airport information Systems market

Market Development: Comprehensive information about lucrative markets – the report analyses the Airport information Systems market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the Airport information Systems market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the Airport information Systems market

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