

Airport Biometric Service Market to Reach \$131.3 Billion Globally by 2033 at 17.3% CAGR: Allied Market Research

The growth in the airport biometric service market is driven by increasing security concerns and the need for efficient passenger processing.

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Allied Market Research published a report, titled, "[Airport Biometric Service Market](#) by Scanner Type (Fingerprint Recognition, Facial Recognition, Iris Recognition, Palm Recognition, Signature Recognition, Voice Recognition and Others), and Deployment Mode (On-premises and Cloud): Global Opportunity Analysis and Industry Forecast, 2024-2033".

According to the report, the airport biometric service market was valued at \$26.1 billion in 2023, and is estimated to reach \$131.3 billion by 2033, growing at a CAGR of 17.3% from 2024 to 2033.



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Prime Determinants of Growth

The rising emphasis on enhancing airport security measures globally is driving the adoption of biometric technologies, which offer robust authentication and identification capabilities. This heightened security focus is crucial amid increasing threats to aviation safety. Moreover, the demand for streamlined passenger processing and improved operational efficiency at airports is prompting the deployment of biometric solutions. These technologies enable quicker and more convenient check-ins, boarding processes, and immigration procedures, thereby enhancing the overall passenger experience. Additionally, regulatory mandates and initiatives promoting the use of biometrics for border control and immigration management are further propelling market growth. Moreover, advancements in biometric technology, including improvements in accuracy, speed, and scalability, are making these solutions increasingly attractive to airports and airlines.

seeking to modernize their infrastructure and ensure compliance with stringent security standards. These factors collectively contribute to the projected robust growth of the airport biometric service market in the coming years.

The airport biometric service market is segmented into scanner type, deployment mode and region. On the basis of scanner type, the market is divided into fingerprint recognition, facial recognition, iris recognition, palm recognition, signature recognition, voice recognition and others. As per deployment mode, the market is bifurcated into on-premise and cloud. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

For more information, contact our analyst at connect@alliedmarketresearch.com.

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The facial recognition segment is expected to dominate the market during the forecast period

By scanner type, the facial recognition segment held the highest market share in 2023, significantly contributing to the revenue of the airport biometric service market. The increasing demand for facial recognition systems at airports, driven by their ability to provide passengers with quick and seamless scanning experiences, has significantly boosted this segment's growth. These systems match a person's face against a digital image, passport, or other identity proof stored in databases, streamlining identity verification tasks. Despite their effectiveness, privacy concerns have made facial recognition biometrics optional in many airports. In response, some international airports have opted for iris recognition biometrics to expedite passenger clearance for immigration and customs operations.

The cloud segment is expected to grow the fastest during the forecast period

By deployment mode, the cloud segment is expected to grow the fastest during the forecast period. The cloud software segment has experienced rapid growth by facilitating seamless experiences in crowded boarding areas. Managing global passenger data poses a significant challenge for airport authorities, and cloud-based software provides easy, flexible access while ensuring confidentiality. This technology enables quick biometric recognition of passengers, enhancing overall operational management for airport authorities. Many airports globally use cloud-based authentication in biometric systems, employing devices like fingerprint recognition for managing employee attendance efficiently.

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North America region to maintain its dominance by 2033

By region, North America dominated the airport biometric service market in terms of revenue in 2023. This leadership position can be attributed to several factors. North America is home to some of the world's busiest airports, which are early adopters of advanced technologies

including biometrics for enhanced security and passenger facilitation. Major airports in the U.S. and Canada have implemented biometric systems to expedite processes such as check-ins, security screenings, and boarding. Stringent regulatory frameworks and a strong emphasis on aviation security in North America have spurred the adoption of biometric technologies. These systems not only improve operational efficiency but also align with strict security protocols mandated by government agencies. Additionally, continuous technological advancements and investments in biometric solutions by airports and aviation authorities further drive market growth in the region. The presence of leading biometric technology providers and a robust infrastructure ecosystem also contribute to North America's significant market share in the airport biometric service sector. Overall, the region's proactive approach towards enhancing airport security, coupled with infrastructure readiness and regulatory support, solidifies its position as a key driver of growth in the global airport biometric service market. Additionally, significant investments in research and development by key market players and the presence of major technology companies in North America have propelled the growth of the airport biometric service market. This trend is expected to continue during the forecast period.

Leading Market Players:

- ADB Safegate
- Amadeus IT Group SA
- IndraSistemas S.A.
- Inner Range
- Vanderbilt Industries
- Inform Software
- Thales Group
- Safran
- NEC Corporation
- 3M Cogent Inc.

The report provides a detailed analysis of these key players in the airport biometric service market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different countries. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

For more information & to purchase the report, please contact Allied Market Research (250 Riverside Drive, Suite 1408, New York, NY 10022) or visit: <https://www.alliedmarketresearch.com/airport-biometric-service-market/purchase-options>

Thanks for reading this article, you can also get an individual chapter-wise section or region-wise report versions like North America, Europe, or Asia.

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Lastly, this report provides market intelligence most comprehensively. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision-making for the existing market players as well as those willing to enter the market.

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