

# **Airport Biometric Service Market By Scanner Type (Fingerprint Recognition, Facial Recognition, Iris Recognition, Palm Recognition, Signature Recognition, Voice Recognition, Others) , By Deployment Mode (On-premises, Cloud) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

### **Airport Biometric Service Market**

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

Airport biometric service involves the use of different technological advancements for passenger verification that are aimed at enhancing the security and traveling experience. Different technologies being used to authenticate the identity of passengers in airports are fingerprint recognition, facial recognition, iris scanning, and voice recognition. The major benefits of airport biometric service for passengers include seamless check-in, security, boarding, and immigration; without requiring physical documents. Moreover, these services improve the operational efficiency of airports and help them to improve their performance through data-driven insights.

Increase in the number of air passengers has fueled the need for automation in airport security checks to prevent crowding and reduce waiting times for travelers. This has boosted the adoption of airport biometric services at various airports globally, hence driving the growth of the market. In addition, rise in the threat of illegal activities through the aviation industry, including illegal immigration and terrorism has augmented the

growth of the market significantly. A prominent trend acquiring traction in the market currently is the integration of airport biometric services with smart airport technologies such as AI and the Internet of Things. This synergy improves the operations of airports by analyzing biometric data to identify trends and enhance resource allocation.

However, the potential risk of cyber-attacks increases concerns regarding the vulnerability of sensitive passenger data such as facial images or fingerprints, hampering the development of the market. Moreover, the implementation and maintenance of airport biometric service technologies require significant capital that deters their adoption in several small-scale airports, which hampers the growth of the market. On the contrary, rise in demand from travelers for contactless verification systems, particularly after the COVID-19 pandemic has presented several lucrative opportunities for the airport biometric service market. As per the statistics of the International Air Transport Association—a trade association of airlines globally—approximately 75% of passengers prefer biometric technology instead of physical passports and boarding passes. This preference is compelling airports to shift toward digital identification, thereby highlighting the promising future of the airport biometric service market.

## Segment Review

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. Depending on deployment mode, it is bifurcated into on-premises and cloud. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

On the basis of scanner type, the facial recognition segment held a notable share of the market in 2023.

Depending on deployment mode, the cloud segment dominated the market share in 2023.

Region wise, North America was the highest revenue generator in 2023.

## Competition Analysis

The major players in the global airport biometric service market include ADB Safegate, Amadeus IT Group SA, IndraSistemas S.A., Inner Range, Vanderbilt Industries, Inform Software, Thales Group, Safran, NEC Corporation, and 3M Cogent Inc. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the competitive market.

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End user preferences and pain points

Industry life cycle assessment, by region

Product Benchmarking / Product specification and applications

Product Life Cycles

Scenario Analysis & Growth Trend Comparison

Technology Trend Analysis

Go To Market Strategy

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Criss-cross segment analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Market share analysis of players at global/region/country level

SWOT Analysis

## Key Market Segments

### By Scanner Type

Fingerprint Recognition

Facial Recognition

Iris Recognition

Palm Recognition

Signature Recognition

Voice Recognition

Others

### By Deployment Mode

On-premises

Cloud

### By Region

North America

U.S.

Canada

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key 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.?

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