

Biometric Authentication Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

<https://marketpublishers.com/r/B0D4C4F59336EN.html>

Date: February 2025

Pages: 144

Price: US\$ 3,200.00 (Single User License)

ID: B0D4C4F59336EN

Abstracts

Biometric Authentication Market Overview The biometric authentication market is a rapidly growing segment driven by the increasing need for secure identity verification across multiple sectors. Biometric technologies, which utilize unique human features such as fingerprints, facial features, iris patterns, voice, and signatures, are becoming essential for providing reliable authentication solutions. This market is gaining traction due to rising concerns over security, increasing cybercrime, and the growing adoption of digital technologies across government, banking, healthcare, consumer electronics, and other critical industries.

Market Size The global biometric authentication market is experiencing significant growth, with a projected compound annual growth rate (CAGR) between 15% and 20% over the forecast period. As the need for secure digital identification rises in various industries, the market is expected to reach USD 52.3 billion by 2025. This growth is fueled by technological advancements, an increase in online transactions, and the widespread adoption of biometrics for mobile security and digital payments.

Market Share & Trends Analysis By Application The biometric authentication market is segmented by application, with key industries driving demand for biometric solutions:

- Government:** Governments globally are implementing biometric authentication for national identification systems, border security, and law enforcement applications. This sector is expected to grow at a CAGR of 16% to 18% as national and international security concerns continue to rise.
- Banking and Finance:** In the banking sector, biometric authentication is becoming increasingly popular for securing online transactions, ATMs, and mobile banking applications. The banking sector is expected to grow at a CAGR of 18% to 22% due to heightened concerns about fraud and the need for secure online payments.
- Consumer Electronics:** With the increasing use of smartphones, laptops, and wearable devices, biometric solutions such as facial recognition and fingerprint scanning are becoming standard. This segment is expected

to grow at a CAGR of 14% to 16%, driven by the demand for seamless user experiences and enhanced security features in consumer devices. Healthcare: Biometric authentication is gaining traction in healthcare for securing access to sensitive medical data, patient identification, and drug dispensing systems. This application is expected to grow at a CAGR of 15% to 18% as healthcare organizations prioritize security and data privacy. Transportation & Logistics: The adoption of biometric authentication in airports, railways, and shipping terminals is on the rise, driven by the need for faster and more secure passenger processing. This sector is expected to grow at a CAGR of 12% to 15%. Defense & Security: Biometric systems are increasingly used in defense and security applications for identity verification in sensitive military and government installations. The defense sector is expected to grow at a CAGR of 13% to 17%. By Product Type The market for biometric authentication solutions is diverse, with several types of biometric systems catering to different security needs: Fingerprint: Fingerprint recognition remains one of the most popular forms of biometric authentication. This product segment is expected to grow at a CAGR of 14% to 16% due to its widespread use in mobile devices and secure access systems. Iris: Iris recognition offers a high level of security and is increasingly used in government and high-security applications. This segment is expected to grow at a CAGR of 15% to 18%, driven by its adoption in secure identification systems. Face: Facial recognition is growing rapidly, particularly in the consumer electronics sector, where it is used for secure access in smartphones and laptops. The face recognition market is expected to grow at a CAGR of 17% to 20% due to increasing implementation in various industries, including retail and healthcare. Voice: Voice biometrics is becoming increasingly popular for securing telephone-based services, call centers, and smart devices. This segment is expected to grow at a CAGR of 14% to 17%. Signature: Signature-based authentication is commonly used for secure document signing, particularly in banking and legal sectors. This segment is projected to grow at a CAGR of 12% to 14%. Multi-factor: Multi-factor biometric authentication combines several biometric identifiers for enhanced security. This segment is expected to grow at a CAGR of 19% to 22%, driven by demand for high-level security in industries such as finance and government. By Key Players Several key players are shaping the biometric authentication market, offering solutions across various sectors: HID Global: HID Global is a leading provider of biometric authentication solutions, offering fingerprint and facial recognition systems for secure access control in both government and commercial sectors. NEC: NEC is a major player offering iris and facial recognition technologies, particularly in the government, security, and healthcare markets. Microsoft: Microsoft integrates biometric solutions such as Windows Hello into its operating systems, providing facial and fingerprint recognition features in personal and enterprise devices. Fujitsu: Fujitsu offers a range of biometric solutions, including palm vein and fingerprint recognition, serving

industries such as banking, healthcare, and government. Okta: Okta provides identity and access management solutions with a strong focus on multi-factor authentication, including biometrics, for enterprise security. Thales: Thales specializes in providing biometric solutions for both government and commercial sectors, with offerings in fingerprint, face, and multi-factor authentication. Ping Identity: Ping Identity focuses on identity security for enterprises, offering biometric authentication solutions integrated into its identity and access management products. Yubico: Yubico develops authentication solutions, including hardware security keys that support biometric authentication for online security. Entrust: Entrust provides advanced biometric authentication solutions to secure financial transactions, enterprise access, and government services.

By Region The biometric authentication market is experiencing diverse growth across different regions: North America: North America is projected to hold a significant market share, with a CAGR of 17% to 20%, driven by the strong demand for biometric authentication in government, banking, and healthcare sectors. Europe: Europe is expected to witness steady growth, with a projected CAGR of 15% to 18%, as organizations in the region continue to invest in biometric solutions for security and regulatory compliance. Asia-Pacific: Asia-Pacific is expected to experience the highest growth rate, with a CAGR of 18% to 22%, due to the rapidly expanding digital infrastructure and increasing demand for biometric authentication in emerging markets such as China and India. Latin America & Middle East: The market in these regions is projected to grow at a moderate pace, with a CAGR of 13% to 15%, fueled by rising adoption of biometric systems in government and commercial sectors.

Opportunities & Challenges

Opportunities Government and enterprise adoption: As governments and enterprises prioritize security and regulatory compliance, the demand for biometric authentication solutions is expected to grow, especially in critical infrastructure and financial services. Growth in mobile and digital payments: The rise in mobile payments, e-commerce, and digital transactions presents a significant opportunity for biometric solutions, especially in the banking and consumer electronics sectors. Sustainability trends: The growing emphasis on sustainability and reducing fraud in digital services creates opportunities for innovative biometric solutions in industries like healthcare and government.

Challenges Privacy and data security concerns: The use of biometric data raises significant privacy concerns, as improper data handling can lead to identity theft and unauthorized access. Cost and integration challenges: High implementation costs and the complexity of integrating biometric authentication into existing systems remain challenges for many organizations. Regulatory compliance: As biometric technologies evolve, regulatory frameworks around data protection, privacy, and authentication standards are still developing, requiring constant compliance efforts.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

CHAPTER 2 ABBREVIATION AND ACRONYMS

CHAPTER 3 PREFACE

- 3.1 Research Scope
- 3.2 Research Sources
 - 3.2.1 Data Sources
 - 3.2.2 Assumptions
- 3.3 Research Method
- Chapter Four Market Landscape
- 4.1 Market Overview
- 4.2 Classification/Types
- 4.3 Application/End Users

CHAPTER 5 MARKET TREND ANALYSIS

- 5.1 Introduction
- 5.2 Drivers
- 5.3 Restraints
- 5.4 Opportunities
- 5.5 Threats

CHAPTER 6 INDUSTRY CHAIN ANALYSIS

- 6.1 Upstream/Suppliers Analysis
- 6.2 Biometric Authentication Analysis
 - 6.2.1 Technology Analysis
 - 6.2.2 Cost Analysis
 - 6.2.3 Market Channel Analysis
- 6.3 Downstream Buyers/End Users

CHAPTER 7 LATEST MARKET DYNAMICS

- 7.1 Latest News
- 7.2 Merger and Acquisition

7.3 Planned/Future Project

7.4 Policy Dynamics

CHAPTER 8 HISTORICAL AND FORECAST BIOMETRIC AUTHENTICATION MARKET IN NORTH AMERICA (2020-2030)

8.1 Biometric Authentication Market Size

8.2 Biometric Authentication Market by End Use

8.3 Competition by Players/Suppliers

8.4 Biometric Authentication Market Size by Type

8.5 Key Countries Analysis

8.5.1 United States

8.5.2 Canada

8.5.3 Mexico

CHAPTER 9 HISTORICAL AND FORECAST BIOMETRIC AUTHENTICATION MARKET IN SOUTH AMERICA (2020-2030)

9.1 Biometric Authentication Market Size

9.2 Biometric Authentication Market by End Use

9.3 Competition by Players/Suppliers

9.4 Biometric Authentication Market Size by Type

9.5 Key Countries Analysis

9.5.1 Brazil

9.5.2 Argentina

9.5.3 Chile

9.5.4 Peru

CHAPTER 10 HISTORICAL AND FORECAST BIOMETRIC AUTHENTICATION MARKET IN ASIA & PACIFIC (2020-2030)

10.1 Biometric Authentication Market Size

10.2 Biometric Authentication Market by End Use

10.3 Competition by Players/Suppliers

10.4 Biometric Authentication Market Size by Type

10.5 Key Countries Analysis

10.5.1 China

10.5.2 India

10.5.3 Japan

- 10.5.4 South Korea
- 10.5.5 Southeast Asia
- 10.5.6 Australia

CHAPTER 11 HISTORICAL AND FORECAST BIOMETRIC AUTHENTICATION MARKET IN EUROPE (2020-2030)

- 11.1 Biometric Authentication Market Size
- 11.2 Biometric Authentication Market by End Use
- 11.3 Competition by Players/Suppliers
- 11.4 Biometric Authentication Market Size by Type
- 11.5 Key Countries Analysis
 - 11.5.1 Germany
 - 11.5.2 France
 - 11.5.3 United Kingdom
 - 11.5.4 Italy
 - 11.5.5 Spain
 - 11.5.6 Belgium
 - 11.5.7 Netherlands
 - 11.5.8 Austria
 - 11.5.9 Poland
 - 11.5.10 Russia

CHAPTER 12 HISTORICAL AND FORECAST BIOMETRIC AUTHENTICATION MARKET IN MEA (2020-2030)

- 12.1 Biometric Authentication Market Size
- 12.2 Biometric Authentication Market by End Use
- 12.3 Competition by Players/Suppliers
- 12.4 Biometric Authentication Market Size by Type
- 12.5 Key Countries Analysis
 - 12.5.1 Egypt
 - 12.5.2 Israel
 - 12.5.3 South Africa
 - 12.5.4 Gulf Cooperation Council Countries
 - 12.5.5 Turkey

CHAPTER 13 SUMMARY FOR GLOBAL BIOMETRIC AUTHENTICATION MARKET (2020-2025)

- 13.1 Biometric Authentication Market Size
- 13.2 Biometric Authentication Market by End Use
- 13.3 Competition by Players/Suppliers
- 13.4 Biometric Authentication Market Size by Type

CHAPTER 14 GLOBAL BIOMETRIC AUTHENTICATION MARKET FORECAST (2025-2030)

- 14.1 Biometric Authentication Market Size Forecast
- 14.2 Biometric Authentication Application Forecast
- 14.3 Competition by Players/Suppliers
- 14.4 Biometric Authentication Type Forecast

CHAPTER 15 ANALYSIS OF GLOBAL KEY VENDORS

- 15.1 HID Global
 - 15.1.1 Company Profile
 - 15.1.2 Main Business and Biometric Authentication Information
 - 15.1.3 SWOT Analysis of HID Global
 - 15.1.4 HID Global Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.2 NEC
 - 15.2.1 Company Profile
 - 15.2.2 Main Business and Biometric Authentication Information
 - 15.2.3 SWOT Analysis of NEC
 - 15.2.4 NEC Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.3 Microsoft
 - 15.3.1 Company Profile
 - 15.3.2 Main Business and Biometric Authentication Information
 - 15.3.3 SWOT Analysis of Microsoft
 - 15.3.4 Microsoft Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.4 Fujitsu
 - 15.4.1 Company Profile
 - 15.4.2 Main Business and Biometric Authentication Information
 - 15.4.3 SWOT Analysis of Fujitsu
 - 15.4.4 Fujitsu Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.5 Okta

15.5.1 Company Profile

15.5.2 Main Business and Biometric Authentication Information

15.5.3 SWOT Analysis of Okta

15.5.4 Okta Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.6 Duo Security

15.6.1 Company Profile

15.6.2 Main Business and Biometric Authentication Information

15.6.3 SWOT Analysis of Duo Security

15.6.4 Duo Security Biometric Authentication Revenue, Gross Margin and Market

Share (2020-2025)

15.7 Thales

15.7.1 Company Profile

15.7.2 Main Business and Biometric Authentication Information

15.7.3 SWOT Analysis of Thales

15.7.4 Thales Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.8 Beyond Identity

15.8.1 Company Profile

15.8.2 Main Business and Biometric Authentication Information

15.8.3 SWOT Analysis of Beyond Identity

15.8.4 Beyond Identity Biometric Authentication Revenue, Gross Margin and Market

Share (2020-2025)

15.9 Entrust

15.9.1 Company Profile

15.9.2 Main Business and Biometric Authentication Information

15.9.3 SWOT Analysis of Entrust

15.9.4 Entrust Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.10 Ping Identity

15.10.1 Company Profile

15.10.2 Main Business and Biometric Authentication Information

15.10.3 SWOT Analysis of Ping Identity

15.10.4 Ping Identity Biometric Authentication Revenue, Gross Margin and Market

Share (2020-2025)

15.11 Veridium

15.11.1 Company Profile

- 15.11.2 Main Business and Biometric Authentication Information
- 15.11.3 SWOT Analysis of Veridium
- 15.11.4 Veridium Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.12 OneLogin
 - 15.12.1 Company Profile
 - 15.12.2 Main Business and Biometric Authentication Information
 - 15.12.3 SWOT Analysis of OneLogin
 - 15.12.4 OneLogin Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.13 Yubico
 - 15.13.1 Company Profile
 - 15.13.2 Main Business and Biometric Authentication Information
 - 15.13.3 SWOT Analysis of Yubico
 - 15.13.4 Yubico Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.14 Secret Double Octopus
 - 15.14.1 Company Profile
 - 15.14.2 Main Business and Biometric Authentication Information
 - 15.14.3 SWOT Analysis of Secret Double Octopus
 - 15.14.4 Secret Double Octopus Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.15 LogMeOnce
 - 15.15.1 Company Profile
 - 15.15.2 Main Business and Biometric Authentication Information
 - 15.15.3 SWOT Analysis of LogMeOnce
 - 15.15.4 LogMeOnce Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.16 Trusona
 - 15.16.1 Company Profile
 - 15.16.2 Main Business and Biometric Authentication Information
 - 15.16.3 SWOT Analysis of Trusona
 - 15.16.4 Trusona Biometric Authentication Revenue, Gross Margin and Market Share (2020-2025)
- 15.17 LastPass
 - 15.17.1 Company Profile
 - 15.17.2 Main Business and Biometric Authentication Information
 - 15.17.3 SWOT Analysis of LastPass
 - 15.17.4 LastPass Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.18 IDEE

15.18.1 Company Profile

15.18.2 Main Business and Biometric Authentication Information

15.18.3 SWOT Analysis of IDEE

15.18.4 IDEE Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.19 Prove

15.19.1 Company Profile

15.19.2 Main Business and Biometric Authentication Information

15.19.3 SWOT Analysis of Prove

15.19.4 Prove Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

15.20 HYPR

15.20.1 Company Profile

15.20.2 Main Business and Biometric Authentication Information

15.20.3 SWOT Analysis of HYPR

15.20.4 HYPR Biometric Authentication Revenue, Gross Margin and Market Share

(2020-2025)

Please ask for sample pages for full companies list

Tables and Figures

Table Abbreviation and Acronyms

Table Research Scope of Biometric Authentication Report

Table Data Sources of Biometric Authentication Report

Table Major Assumptions of Biometric Authentication Report

Figure Market Size Estimated Method

Figure Major Forecasting Factors

Figure Biometric Authentication Picture

Table Biometric Authentication Classification

Table Biometric Authentication Applications

Table Drivers of Biometric Authentication Market

Table Restraints of Biometric Authentication Market

Table Opportunities of Biometric Authentication Market

Table Threats of Biometric Authentication Market

Table Covid-19 Impact For Biometric Authentication Market

Table Raw Materials Suppliers

Table Different Production Methods of Biometric Authentication

Table Cost Structure Analysis of Biometric Authentication

Table Key End Users

Table Latest News of Biometric Authentication Market
Table Merger and Acquisition
Table Planned/Future Project of Biometric Authentication Market
Table Policy of Biometric Authentication Market
Table 2020-2030 North America Biometric Authentication Market Size
Figure 2020-2030 North America Biometric Authentication Market Size and CAGR
Table 2020-2030 North America Biometric Authentication Market Size by Application
Table 2020-2025 North America Biometric Authentication Key Players Revenue
Table 2020-2025 North America Biometric Authentication Key Players Market Share
Table 2020-2030 North America Biometric Authentication Market Size by Type
Table 2020-2030 United States Biometric Authentication Market Size
Table 2020-2030 Canada Biometric Authentication Market Size
Table 2020-2030 Mexico Biometric Authentication Market Size
Table 2020-2030 South America Biometric Authentication Market Size
Figure 2020-2030 South America Biometric Authentication Market Size and CAGR
Table 2020-2030 South America Biometric Authentication Market Size by Application
Table 2020-2025 South America Biometric Authentication Key Players Revenue
Table 2020-2025 South America Biometric Authentication Key Players Market Share
Table 2020-2030 South America Biometric Authentication Market Size by Type
Table 2020-2030 Brazil Biometric Authentication Market Size
Table 2020-2030 Argentina Biometric Authentication Market Size
Table 2020-2030 Chile Biometric Authentication Market Size
Table 2020-2030 Peru Biometric Authentication Market Size
Table 2020-2030 Asia & Pacific Biometric Authentication Market Size
Figure 2020-2030 Asia & Pacific Biometric Authentication Market Size and CAGR
Table 2020-2030 Asia & Pacific Biometric Authentication Market Size by Application
Table 2020-2025 Asia & Pacific Biometric Authentication Key Players Revenue
Table 2020-2025 Asia & Pacific Biometric Authentication Key Players Market Share
Table 2020-2030 Asia & Pacific Biometric Authentication Market Size by Type
Table 2020-2030 China Biometric Authentication Market Size
Table 2020-2030 India Biometric Authentication Market Size
Table 2020-2030 Japan Biometric Authentication Market Size
Table 2020-2030 South Korea Biometric Authentication Market Size
Table 2020-2030 Southeast Asia Biometric Authentication Market Size
Table 2020-2030 Australia Biometric Authentication Market Size
Table 2020-2030 Europe Biometric Authentication Market Size
Figure 2020-2030 Europe Biometric Authentication Market Size and CAGR
Table 2020-2030 Europe Biometric Authentication Market Size by Application
Table 2020-2025 Europe Biometric Authentication Key Players Revenue

Table 2020-2025 Europe Biometric Authentication Key Players Market Share
Table 2020-2030 Europe Biometric Authentication Market Size by Type
Table 2020-2030 Germany Biometric Authentication Market Size
Table 2020-2030 France Biometric Authentication Market Size
Table 2020-2030 United Kingdom Biometric Authentication Market Size
Table 2020-2030 Italy Biometric Authentication Market Size
Table 2020-2030 Spain Biometric Authentication Market Size
Table 2020-2030 Belgium Biometric Authentication Market Size
Table 2020-2030 Netherlands Biometric Authentication Market Size
Table 2020-2030 Austria Biometric Authentication Market Size
Table 2020-2030 Poland Biometric Authentication Market Size
Table 2020-2030 Russia Biometric Authentication Market Size
Table 2020-2030 MEA Biometric Authentication Market Size
Figure 2020-2030 MEA Biometric Authentication Market Size and CAGR
Table 2020-2030 MEA Biometric Authentication Market Size by Application
Table 2020-2025 MEA Biometric Authentication Key Players Revenue
Table 2020-2025 MEA Biometric Authentication Key Players Market Share
Table 2020-2030 MEA Biometric Authentication Market Size by Type
Table 2020-2030 Egypt Biometric Authentication Market Size
Table 2020-2030 Israel Biometric Authentication Market Size
Table 2020-2030 South Africa Biometric Authentication Market Size
Table 2020-2030 Gulf Cooperation Council Countries Biometric Authentication Market Size
Table 2020-2030 Turkey Biometric Authentication Market Size
Table 2020-2025 Global Biometric Authentication Market Size by Region
Table 2020-2025 Global Biometric Authentication Market Size Share by Region
Table 2020-2025 Global Biometric Authentication Market Size by Application
Table 2020-2025 Global Biometric Authentication Market Share by Application
Table 2020-2025 Global Biometric Authentication Key Vendors Revenue
Figure 2020-2025 Global Biometric Authentication Market Size and Growth Rate
Table 2020-2025 Global Biometric Authentication Key Vendors Market Share
Table 2020-2025 Global Biometric Authentication Market Size by Type
Table 2020-2025 Global Biometric Authentication Market Share by Type
Table 2025-2030 Global Biometric Authentication Market Size by Region
Table 2025-2030 Global Biometric Authentication Market Size Share by Region
Table 2025-2030 Global Biometric Authentication Market Size by Application
Table 2025-2030 Global Biometric Authentication Market Share by Application
Table 2025-2030 Global Biometric Authentication Key Vendors Revenue
Figure 2025-2030 Global Biometric Authentication Market Size and Growth Rate

Table 2025-2030 Global Biometric Authentication Key Vendors Market Share

Table 2025-2030 Global Biometric Authentication Market Size by Type

Table 2025-2030 Biometric Authentication Global Market Share by Type

I would like to order

Product name: Biometric Authentication Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

Product link: <https://marketpublishers.com/r/B0D4C4F59336EN.html>

Price: US\$ 3,200.00 (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/B0D4C4F59336EN.html>