

Europe Biometric Technologies Market Forecast to 2030 - Regional Analysis - by Component (Hardware, Software, and Services), Type (Contact, Contactless, and Hybrid), Authentication Type (Single Factor Authentication and Multi-factor Authentication), and End User (Government, BFSI, Healthcare, Defense & Security, and Others)

<https://marketpublishers.com/r/E23C37C8B751EN.html>

Date: August 2024

Pages: 121

Price: US\$ 3,550.00 (Single User License)

ID: E23C37C8B751EN

Abstracts

The Europe biometric technologies market was valued at US\$ 8,917.46 million in 2022 and is expected to reach US\$ 26,147.52 million by 2030; it is estimated to register a CAGR of 14.4% from 2022 to 2030.

Technological Advancements Reinforcing Security Levels Drive Europe Biometric Technologies Market

Technological advancements in biometric technologies are focused on enhancing their versatility, security, and reach to masses. Artificial Intelligence (AI) and Machine Learning (ML) further contributing to the improvement of accuracy and reliability of biometric systems, lowering the possibilities of false positives and negatives, which would have a positive impact on security and user confidence. The expansion of AI-driven biometrics, particularly facial and behavioral biometrics (gait, voice, and accent recognition), is likely to fuel the emergence of new forms of real-time biometric identity verification through on-premises cameras. Biometric authentication technology has become more prevalent in the industrial sector with the most recent AI advancements. According to IBM, 20% of breaches are the result of compromised credentials. Moreover, detecting and addressing a data breach can take an average of 287 days, which further worsens the impact. AI-based security solutions are likely to be

instrumental for businesses to stay competitive in any sector. IBM mentions 25% of companies had fully implemented AI-based security in place as of 2021, while 40% had completed partial implementation. As of 2021, purchasing AI-powered security could help save a business up to US\$ 3.81 million. Although secure biometric passwords are in use and more sophisticated biometric solutions are available in the market, newer technologies concentrate on extracting more sophisticated biometric markers from the human body, each of which adds another difficult-to-fake biometric trait into the secure authentication process. These can include reading DNA signatures, hand geometry, odor recognition, and cardiac pattern recognition. Therefore, technological advancements are creating exciting opportunities for the biometric technology market.

Europe Biometric Technologies Market Overview

Germany, France, the UK, and Italy are among the key countries contributing to the growth of the European biometric technologies market. Growing awareness related to significant benefits provided by biometric technologies, such as increased security, privacy, accuracy, etc., is driving the market in this region. Many companies in Europe are striving to create awareness about biometric technologies by conducting conferences and seminars. In October 2023, ZKTeco Europe, S.L. participated in Adria Security Summit 2023, powered by Intersec, to announce the launch of Biometric innovations, security products, and access control solutions. The company also introduced its latest entranced control solutions that provide benefits of access control and visitor management using traditional biometric readers or card access mobile devices such as QC codes and Bluetooth. The evolution of advanced technologies encourages manufacturers to develop next-generation biometric solutions for customers in Europe. As per the company press release, in January 2022, IDEMIA collaborated with Microsoft Corp to deliver next generation eSIM connectivity services to M2M/IoT device users. The company's next generation eSIM connectivity services support connectivity through SIM cards, eSIM services for consumer and M2M devices (including smart meters and automobiles), and authentication applications by improving resilience against distributed denial of service (DDoS) attacks. Further, expansion of the aerospace industry and the growing adoption of biometric technologies such as facial recognition and fingerprints are creating opportunities in the market. For instance, in October 2023, SITA partnered with Fraport to allow all airlines at Frankfurt Airport to jointly use face biometrics for identification from check-in through boarding procedures. This makes Frankfurt the first airport in Europe to offer biometric touchpoints to all airline passengers, allowing streamlined, streamlined passage throughout the airport.

Europe Biometric Technologies Market Revenue and Forecast to 2030 (US\$ Billion)

Europe Biometric Technologies Market Segmentation

The Europe biometric technologies market is categorized into component, type, authentication type, end user, and country.

Based on component, the Europe biometric technologies market is segmented into hardware, software, and services. The hardware segment held the largest share of Europe biometric technologies market share in 2022.

In terms of type, the Europe biometric technologies market is segmented into contact, contactless, and hybrid. The contact segment held the largest share of Europe biometric technologies market in 2022.

By authentication type, the Europe biometric technologies market is bifurcated into single factor authentication and multi factor authentication. The single factor authentication segment held a larger share of Europe biometric technologies market in 2022.

Based on end user, the Europe biometric technologies market is categorized into government, BFSI, healthcare, defense & security, and others. The government segment held the largest share of Europe biometric technologies market in 2022.

By country, the Europe biometric technologies market is segmented into Germany, France, the UK, Italy, Russia, and the Rest of Europe. The Rest of Europe dominated the Europe biometric technologies market share in 2022.

Aware, Inc.; Thales SA; Cognitec Systems GmbH; NEC Corp; IDEMIA France SAS; HID Global Corp; Fujitsu Ltd; Leidos Holdings, Inc.; M2SYS Technology; and Precise Biometrics AB are some of the leading companies operating in the Europe biometric technologies market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. BIOMETRIC TECHNOLOGIES MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
 - 4.2.1 List of Vendors in the Value Chain
- 4.3 Premium Insight
 - 4.3.1 Analysis on the Use of Biometrics in Airports Around the World

5. EUROPE BIOMETRIC TECHNOLOGIES MARKET - KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Rising Use of Biometric Technologies in Consumer Electronics
 - 5.1.1 Expanding Application Range in Government Sector
 - 5.1.2 Increasing Crime Rates
- 5.2 Market Restraints
 - 5.2.1 High Capital Requirements
 - 5.2.2 Data Security Concerns
- 5.3 Market Opportunities
 - 5.3.1 Technological Advancements Reinforcing Security Levels
- 5.4 Future Trends
 - 5.4.1 Increasing Use of Biometric Systems at Airports
- 5.5 Impact of Drivers and Restraints:

6. BIOMETRIC TECHNOLOGIES MARKET - EUROPE MARKET ANALYSIS

6.1 Overview

6.2 Biometric Technologies Market Revenue (US\$ Billion), 2020-2030

6.3 Biometric Technologies Market Forecast Analysis

7. EUROPE BIOMETRIC TECHNOLOGIES MARKET ANALYSIS - BY COMPONENT

7.1 Hardware

7.1.1 Overview

7.1.2 Hardware: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

7.2 Software

7.2.1 Overview

7.2.2 Software: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

7.3 Services

7.3.1 Overview

7.3.2 Services: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

8. EUROPE BIOMETRIC TECHNOLOGIES MARKET ANALYSIS - BY TYPE

8.1 Contact

8.1.1 Overview

8.1.2 Contact: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

8.2 Contactless

8.2.1 Overview

8.2.2 Contactless: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

8.3 Hybrid

8.3.1 Overview

8.3.2 Hybrid: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

9. EUROPE BIOMETRIC TECHNOLOGIES MARKET ANALYSIS - BY AUTHENTICATION TYPE

9.1 Single Factor Authentication

9.1.1 Overview

9.1.2 Single Factor Authentication: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

9.2 Multi factor Authentication

9.2.1 Overview

9.2.2 Multi factor Authentication: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

10. EUROPE BIOMETRIC TECHNOLOGIES MARKET ANALYSIS - BY END USER

10.1 Government

10.1.1 Overview

10.1.2 Government: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

10.2 BFSI

10.2.1 Overview

10.2.2 BFSI: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

10.3 Healthcare

10.3.1 Overview

10.3.2 Healthcare: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

10.4 Defense and Security

10.4.1 Overview

10.4.2 Defense and Security: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

10.5 Others

10.5.1 Overview

10.5.2 Others: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11. EUROPE BIOMETRIC TECHNOLOGIES MARKET - COUNTRY ANALYSIS

11.1 Europe Market Overview

11.1.1 Europe: Biometric Technologies Market, By Key Country - Revenue 2022 (US\$ Billion)

11.1.2 Europe: Biometric Technologies Market - Revenue and Forecast Analysis - by

Country

11.1.2.1 Europe: Biometric Technologies Market - Revenue and Forecast Analysis - by Country

11.1.2.2 Germany: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11.1.2.2.1 Germany: Biometric Technologies Market Breakdown, by Component

11.1.2.2.2 Germany: Biometric Technologies Market Breakdown, by Type

11.1.2.2.3 Germany: Biometric Technologies Market Breakdown, by Authentication

Type

11.1.2.2.4 Germany: Biometric Technologies Market Breakdown, by End User

11.1.2.3 France: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11.1.2.3.1 France: Biometric Technologies Market Breakdown, by Component

11.1.2.3.2 France: Biometric Technologies Market Breakdown, by Type

11.1.2.3.3 France: Biometric Technologies Market Breakdown, by Authentication

Type

11.1.2.3.4 France: Biometric Technologies Market Breakdown, by End User

11.1.2.4 United Kingdom: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11.1.2.4.1 United Kingdom: Biometric Technologies Market Breakdown, by Component

11.1.2.4.2 United Kingdom: Biometric Technologies Market Breakdown, by Type

11.1.2.4.3 United Kingdom: Biometric Technologies Market Breakdown, by

Authentication Type

11.1.2.4.4 United Kingdom: Biometric Technologies Market Breakdown, by End

User

11.1.2.5 Italy: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11.1.2.5.1 Italy: Biometric Technologies Market Breakdown, by Component

11.1.2.5.2 Italy: Biometric Technologies Market Breakdown, by Type

11.1.2.5.3 Italy: Biometric Technologies Market Breakdown, by Authentication Type

11.1.2.5.4 Italy: Biometric Technologies Market Breakdown, by End User

11.1.2.6 Russia: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11.1.2.6.1 Russia: Biometric Technologies Market Breakdown, by Component

11.1.2.6.2 Russia: Biometric Technologies Market Breakdown, by Type

11.1.2.6.3 Russia: Biometric Technologies Market Breakdown, by Authentication

Type

11.1.2.6.4 Russia: Biometric Technologies Market Breakdown, by End User

11.1.2.7 Rest of Europe: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

11.1.2.7.1 Rest of Europe: Biometric Technologies Market Breakdown, by Component

11.1.2.7.2 Rest of Europe: Biometric Technologies Market Breakdown, by Type

11.1.2.7.3 Rest of Europe: Biometric Technologies Market Breakdown, by Authentication Type

11.1.2.7.4 Rest of Europe: Biometric Technologies Market Breakdown, by End User

12. COMPETITIVE LANDSCAPE

12.1 Heat Map Analysis by Key Players

12.2 Company Positioning & Concentration

13. INDUSTRY LANDSCAPE

13.1 Overview

13.2 Market Initiative

13.3 Product Development

13.4 Merger and Acquisition

14. COMPANY PROFILES

14.1 Aware, Inc.

14.1.1 Key Facts

14.1.2 Business Description

14.1.3 Products and Services

14.1.4 Financial Overview

14.1.5 SWOT Analysis

14.1.6 Key Developments

14.2 Thales SA

14.2.1 Key Facts

14.2.2 Business Description

14.2.3 Products and Services

14.2.4 Financial Overview

14.2.5 SWOT Analysis

14.2.6 Key Developments

14.3 Cognitec Systems GmbH

14.3.1 Key Facts

- 14.3.2 Business Description
- 14.3.3 Products and Services
- 14.3.4 Financial Overview
- 14.3.5 SWOT Analysis
- 14.3.6 Key Developments
- 14.4 NEC Corp
 - 14.4.1 Key Facts
 - 14.4.2 Business Description
 - 14.4.3 Products and Services
 - 14.4.4 Financial Overview
 - 14.4.5 SWOT Analysis
 - 14.4.6 Key Developments
- 14.5 IDEMIA France SAS
 - 14.5.1 Key Facts
 - 14.5.2 Business Description
 - 14.5.3 Products and Services
 - 14.5.4 Financial Overview
 - 14.5.5 SWOT Analysis
 - 14.5.6 Key Developments
- 14.6 HID Global Corp
 - 14.6.1 Key Facts
 - 14.6.2 Business Description
 - 14.6.3 Products and Services
 - 14.6.4 Financial Overview
 - 14.6.5 SWOT Analysis
 - 14.6.6 Key Developments
- 14.7 Fujitsu Ltd
 - 14.7.1 Key Facts
 - 14.7.2 Business Description
 - 14.7.3 Products and Services
 - 14.7.4 Financial Overview
 - 14.7.5 SWOT Analysis
 - 14.7.6 Key Developments
- 14.8 Leidos Holdings, Inc.
 - 14.8.1 Key Facts
 - 14.8.2 Business Description
 - 14.8.3 Products and Services
 - 14.8.4 Financial Overview
 - 14.8.5 SWOT Analysis

- 14.8.6 Key Developments
- 14.9 M2SYS Technology
 - 14.9.1 Key Facts
 - 14.9.2 Business Description
 - 14.9.3 Products and Services
 - 14.9.4 Financial Overview
 - 14.9.5 SWOT Analysis
 - 14.9.6 Key Developments
- 14.10 Precise Biometrics AB
 - 14.10.1 Key Facts
 - 14.10.2 Business Description
 - 14.10.3 Products and Services
 - 14.10.4 Financial Overview
 - 14.10.5 SWOT Analysis
 - 14.10.6 Key Developments

15. APPENDIX

- 15.1 About the Insight Partners
- 15.2 Word Index

List Of Tables

LIST OF TABLES

Table 1. Biometric Technologies Market Segmentation

Table 2. List of Vendors

Table 3. Analysis on the Use of Biometrics in Airports Around the World

Table 4. Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)

Table 5. Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 6. Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 7. Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Authentication Type

Table 8. Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 9. Europe: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Country

Table 10. Germany: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 11. Germany: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 12. Germany: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Authentication Type

Table 13. Germany: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 14. France: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 15. France: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 16. France: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Authentication Type

Table 17. France: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 18. United Kingdom: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 19. United Kingdom: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 20. United Kingdom: Biometric Technologies Market - Revenue and Forecast to

2030 (US\$ Billion) - by Authentication Type

Table 21. United Kingdom: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 22. Italy: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 23. Italy: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 24. Italy: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Authentication Type

Table 25. Italy: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 26. Russia: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 27. Russia: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 28. Russia: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Authentication Type

Table 29. Russia: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 30. Rest of Europe: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Component

Table 31. Rest of Europe: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Type

Table 32. Rest of Europe: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by Authentication Type

Table 33. Rest of Europe: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion) - by End User

Table 34. List of Abbreviation

List Of Figures

LIST OF FIGURES

- Figure 1. Biometric Technologies Market Segmentation, by Country
- Figure 2. Ecosystem: Biometrics Technologies Market
- Figure 3. Biometric Technologies Market - Key Market Dynamics
- Figure 4. Impact Analysis of Drivers and Restraints
- Figure 5. Biometric Technologies Market Revenue (US\$ Billion), 2020-2030
- Figure 6. Biometric Technologies Market Share (%) - by Component (2022 and 2030)
- Figure 7. Hardware: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 8. Software: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 9. Services: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 10. Biometric Technologies Market Share (%) - by Type (2022 and 2030)
- Figure 11. Contact: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 12. Contactless: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 13. Hybrid: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 14. Biometric Technologies Market Share (%) - by Authentication Type (2022 and 2030)
- Figure 15. Single Factor Authentication: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 16. Multi factor Authentication: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 17. Biometric Technologies Market Share (%) - by End User (2022 and 2030)
- Figure 18. Government: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 19. BFSI: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 20. Healthcare: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 21. Defense and Security: Biometric Technologies Market - Revenue and Forecast to 2030 (US\$ Billion)
- Figure 22. Others: Biometric Technologies Market - Revenue and Forecast to 2030

(US\$ Billion)

Figure 23. Europe: Biometric Technologies Market, By Key Country - Revenue 2022

(US\$ Billion)

Figure 24. Europe: Biometric Technologies Market Breakdown, by Key Countries, 2022 and 2030 (%)

Figure 25. Germany: Biometric Technologies Market - Revenue and Forecast to 2030(US\$ Billion)

Figure 26. France: Biometric Technologies Market - Revenue and Forecast to 2030(US\$ Billion)

Figure 27. United Kingdom: Biometric Technologies Market - Revenue and Forecast to 2030(US\$ Billion)

Figure 28. Italy: Biometric Technologies Market - Revenue and Forecast to 2030(US\$ Billion)

Figure 29. Russia: Biometric Technologies Market - Revenue and Forecast to 2030(US\$ Billion)

Figure 30. Rest of Europe: Biometric Technologies Market - Revenue and Forecast to 2030(US\$ Billion)

Figure 31. Heat Map Analysis by Key Players

Figure 32. Company Positioning & Concentration

I would like to order

Product name: Europe Biometric Technologies Market Forecast to 2030 - Regional Analysis - by Component (Hardware, Software, and Services), Type (Contact, Contactless, and Hybrid), Authentication Type (Single Factor Authentication and Multi-factor Authentication), and End User (Government, BFSI, Healthcare, Defense & Security, and Others)

Product link: <https://marketpublishers.com/r/E23C37C8B751EN.html>

Price: US\$ 3,550.00 (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/E23C37C8B751EN.html>