

Contactless Biometrics Market Outlook 2025-2034: Market Share, and Growth Analysis By Component (Hardware, Software, Services), By Technology (Contactless Fingerprint Technology, Facial Recognition, Iris Recognition, Palm Vein Recognition, Voice Recognition, Contactless Cards), By Application, By End User

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Abstracts

The Contactless Biometrics Market is valued at USD 23.2 billion in 2025 and is projected to grow at a CAGR of 15.5% to reach USD 85.1 billion by 2034. The contactless biometrics market has experienced rapid growth due to the rising demand for secure, hygienic, and user-friendly identity verification solutions. Unlike traditional biometric systems that require physical contact, contactless biometrics rely on advanced technologies such as facial recognition, iris scanning, and voice recognition to identify individuals. This approach not only enhances convenience but also reduces the risk of spreading germs, making it especially appealing in healthcare, aviation, and public safety sectors. As governments and businesses strive to improve security while minimizing physical interaction, contactless biometric solutions have become a preferred choice. Airports, for instance, are implementing facial recognition for seamless passenger boarding, while financial institutions are adopting voice recognition for secure and convenient banking services. These systems not only enhance security measures but also streamline operations, reducing wait times and improving overall user experience. The COVID-19 pandemic has further accelerated the adoption of contactless biometrics. With heightened awareness of hygiene and a shift towards touchless technologies, organizations have been quick to implement contactless identification methods. In addition, advances in artificial intelligence (AI) and machine learning have enhanced the accuracy and reliability of these systems, making them

more accessible and cost-effective for a wide range of applications.

Key Insights Contactless Biometrics Market

1. Increasing adoption of facial recognition technology for seamless user experiences.
 2. Growing use of AI-driven solutions to improve the accuracy of contactless systems.
 3. Expansion of contactless biometrics in healthcare and public safety applications.
 4. Development of multi-modal biometric solutions combining various touchless methods.
 5. Rising focus on privacy-enhancing technologies within contactless biometric systems.
1. Growing demand for secure and convenient identity verification methods.
 2. Increased awareness of hygiene and the need for touchless solutions.
 3. Advancements in AI and machine learning improving system reliability.
 4. Rising use of contactless biometrics in critical sectors such as aviation and healthcare.
1. Concerns over data privacy and potential misuse of biometric information.
 2. High implementation costs for advanced contactless biometric systems.
 3. Technical challenges in ensuring accuracy across diverse populations and environments.

Contactless Biometrics Market Segmentation

By Component

Hardware

Software

Services

By Technology

Contactless Fingerprint Technology

Facial Recognition

Iris Recognition

Palm Vein Recognition

Voice Recognition

Contactless Cards

By Application

Face

Fingerprint

Hand Geometry

Iris

Voice

Other Applications

By End User

Government

BFSI

Consumer electronics

Healthcare

Transport And logistics

Defense And Security

Other End Users

Key Companies Analysed

Touchless Biometric Systems AG

IDEMIA SAS

nVIAsoft Corporation

Fujitsu Limited

NEC Corporation

Fingerprint Cards AB

Megvii

Suprema Inc.

Thales Group

Crossmatch Solutions Inc.

Synaptics Incorporated

Aware Inc.

HID Global Corporation

BIO-key International Inc.

FaceTec Inc.

IDEX Biometrics ASA

Precise Biometrics AB

M2SYS Technology

Innovatrics s. r. o.

Egis Technology Inc.

Shenzhen Goodix Technology Co. Ltd.

ZKTeco Inc.

NEXT Biometrics Group ASA

Veridium Ltd.

Neurotechnology UAB

Zebra Medical Vision Ltd.

Cognitec Systems GmbH

Zwipe AS

3M Cogent Inc.

Daon Holdings Limited

Contactless Biometrics Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Contactless Biometrics Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers &

acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Contactless Biometrics market data and outlook to 2034

United States

Canada

Mexico

Europe — Contactless Biometrics market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Contactless Biometrics market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Contactless Biometrics market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Contactless Biometrics market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Contactless Biometrics value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Contactless Biometrics industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Contactless Biometrics Market Report

Global Contactless Biometrics market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Contactless Biometrics trade, costs, and supply chains

Contactless Biometrics market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Contactless Biometrics market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Contactless Biometrics market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Contactless Biometrics supply chain analysis

Contactless Biometrics trade analysis, Contactless Biometrics market price analysis, and Contactless Biometrics supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Contactless Biometrics market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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