



Palm Vein Biometric Market Projected to Witness a Growth of US \$2.31 Billion by 2029 | The Business Research Company

The Business Research Company's Palm Vein Biometric Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

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Palm Vein Biometric Global Market Report 2025

[Palm Vein Biometric Market](#) Growth Forecast: What To Expect By 2025?

In recent times, there has been a swift expansion of the palm vein biometric market size. The market growth expected is from \$1.04 billion in 2024 to \$1.23 billion in 2025, sustaining a compound annual growth rate (CAGR) of 17.5%. Factors contributing to the surge in the historical timeline include an increased necessity for secure authentication, higher acceptance in the banking industry, a rising call for contactless biometrics, enhanced knowledge of biometric advantages, and an escalating need for multi-factor authentication.

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In the coming years, it is anticipated that the palm vein biometric market will experience a significant surge,

positioning the market at \$2.31 billion by 2029 with a compound annual growth rate (CAGR) of 17.1%. Factors contributing to the projected growth during this period include the escalating demand for touchless authentication, the expansion in the use of fintech and payments, increased emphasis on cleanliness and safety, broadening applications in smart gadgets, and the augmented use in corporate security. Key trends predicted for this period range from the improvements in vein pattern identification and its integration with mobile and wearable devices to the advancement of biometric technology, the creation of near-infrared scanning, and progress in sensor technology.

Download a free sample of the palm vein biometric market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=27839&type=smp>

What Are Key Factors Driving The Demand In The Global Palm Vein Biometric Market?

The surge in security breaches is anticipated to fuel the expansion of the palm vein biometric market in the future. The term security breaches denotes scenarios where unauthorized individuals infiltrate systems or data, potentially threatening sensitive data and the security of organizations. With the escalating sophistication of cyberattacks, as culprits recurrently employ advanced tactics to elude conventional security procedures, the occurrences of security breaches are on the rise. Palm vein biometrics augment security systems through highly precise, contactless authentication, making them perfect for high-security domains. They mitigate the risks of fraud by authenticating unique vein patterns, thus enhancing overall security and access control mechanisms. For example, as per Cyble Inc., an American cybersecurity firm, the total data breaches in Australia surpassed 1,100 in 2024 which indicates a 25% surge compared to 2023. Hence, the increasing incidents of security breaches are causing the palm vein biometric market to flourish.

Who Are The Leading Players In The Palm Vein Biometric Market?

Major players in the Palm Vein Biometric Global Market Report 2025 include:

- Fujitsu Limited
- NEC Corporation
- IDEMIA Group
- ZKTeco Group
- Ingenico Group S.A.
- Matrix Comsec Pvt. Ltd.
- Uniken Inc.
- Mantra Softech Pvt. Ltd.
- Bio Enable Technologies Pvt. Ltd.
- Imprivata Inc.

What Are The Prominent Trends In The Palm Vein Biometric Market?

In the palm vein biometric market, leading businesses are concentrating their efforts on creating technologically superior solutions, including contactless and device-free biometric systems. These innovations aim to bolster security, streamline authentication processes, and minimize fraud. Contactless and device-free biometric systems are a high-end tech that authenticate a person's identity without needing any physical touch or direct interaction with any device. Take for example, Uniken Inc., a company based in the USA renowned for crafting digital identity and authentication solutions, which launched a palm vein authentication on its REL-ID platform in May 2024. This contactless, device-free biometric system allows users to just hover their palm over a sensor, securing their identity without the need for physical touch or any additional devices, making it fast, convenient and highly secure against spoofing, thanks to the PalmSecure technology. This unmatched biometric accuracy has a false acceptance rate of a mere

0.000001%. Intended for environments with low smartphone adoption, this solution provides frictionless, device-independent authentication and significantly diminishes fraud in both physical and digital mediums.

Analysis Of Major Segments Driving The [Palm Vein Biometric Market Growth](#)

The palm vein biometric market covered in this report is segmented

- 1) By Component: Hardware, Software, Services
- 2) By Product Type: Standalone Devices, Integrated Systems, Software Solutions, Mobile Devices
- 3) By Technology: Image Processing Technology, Optical Technology, Infrared Technology, 3D Imaging Technology, Biometric Fusion Technology
- 4) By Application: Access Control, Time And Attendance Management, Healthcare Services, Banking And Financial Services, Retail Services, Govement And Defense
- 5) By End-User: Commercial Sector, Govement Sector, Residential Sector

Subsegments:

- 1) By Hardware: Palm Vein Scanners, Cameras, Sensors, Readers
- 2) By Software: Recognition Algorithms, Database Management Software, Integration Software, Middleware
- 3) By Services: Installation Services, Maintenance Services, Consulting Services, Support Services

View the full palm vein biometric market report:

<https://www.thebusinessresearchcompany.com/report/palm-vein-biometric-global-market-report>

Which Region Is Expected To Lead The Palm Vein Biometric Market By 2025?

In the Palm Vein Biometric Global Market Report 2025, North America took the lead as the biggest market in 2024, with Asia-Pacific anticipated to experience the most accelerated growth in the upcoming period. The report encompasses several geographical areas including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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