

# Fingerprint Sensor Market is Expected to Rise to US\$ 6.77 Billion with a CAGR 6.3% From 2024-2032

*The growing worries over data security and recognition theft drive the market demand.*

NEW YORK CITY, NY, UNITED STATES, October 11, 2024 /EINPresswire.com/ -- Our fingerprint sensor market report has been prepared using advanced methodologies and research techniques to help businesses make strategic business decisions.



The surge in recognition stealing and duplicity is motivating firms to fund fingerprint sensors to ascertain that only sanctioned persons acquire their systems and data"

*Polaris Market Research*

The fingerprint sensor market is expected to rise to US\$ 6.77 billion with a CAGR of 6.3% from 2024 to 2032. The market is driven by the growing demand for secure authentication solutions, particularly in the financial and healthcare sectors. The market is expected to grow from US\$ 3.90 billion in 2023 to US\$ 6.77 billion by 2032, with a CAGR of 6.3%.

Key findings from the report:

The fingerprint sensor is one type of sensor that is utilized in a fingerprint discernment gadget. These gadgets are predominantly incorporated in the fingerprint discernment module and utilized for computer security. The prominent elements of this gadget predominantly involve preciseness, superior presentation, and exuberance dependent on fingerprint biometric technology. Both fingerprint sensor, if not reader an excessively secure and acceptable gadgets for security rather than a classified word. It is better to utilize USB dependent fingerprint reader or scanner utilizing biometric software for corroboration, recognition, and evidence that permits fingerprints to execute homogenous to digital passwords.

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The operating concept of fingerprint sensors predominantly relies on processing. The fingerprint processing predominantly involves two components, namely registration and coordinating in

fingerprint registering. Each user needs to position the finger twice. This is so that the system will inspect the finger images to operate as well as to produce a motif of the finger, and it will be reserved. When pairing, a user positions the finger utilizing an optical sensor then the system will generate a motif of the finger and contrast it with finger library prototypes. The prohibition of unsanctioned undertakings and the decrease in the probability of fraudulent ventures are pushing the fingerprint sensor market growth.

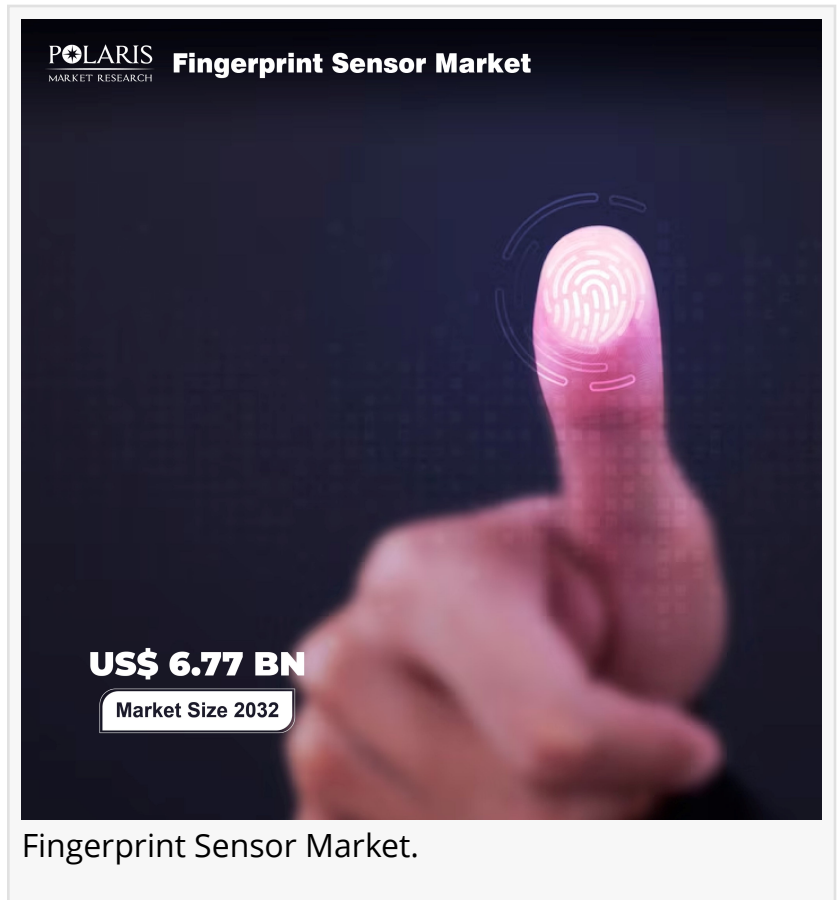
Key players in the market include:

- Shenzhen Goodix Technology Co., Ltd.
- FINGERPRINT CARDS AB
- Apple Inc.
- EGiS Technologies Inc.
- Qualcomm Technologies Inc.
- IDEX Biometrics ASA
- OXI Technology
- IDloop
- Sonavation Inc.
- Touch Biometrix
- Vkansee
- ELAN Microelectronics
- CMOS Sensor Inc.
- ID3 Technologies

Escalation in Attendance Register System:

The escalating demand for a presence register structure ignites the market. Fingerprint sensors are extensively used as a presence register structure in firms as they offer excessively precise and dependable recognition. They assist in accurately registering the presence of persons without the probability of human fallacy or contrivances, ascertaining that the records are genuine, boosting the demand for fingerprint sensor market growth.

Growing Acquisition of Smartphones and Tablets: There is a growing acquisition of smartphones



and tablets globally. As per the GSMA's yearly State of Mobile Internet Connectivity Report 2023, over half of the worldwide populace, some 4.3 billion people, possess a smartphone. Makers of smartphones and tablets are including fingerprint sensors in their gadgets to provide a safe system for unbolting devices and validating undertakings.

Surge in Smart Homes: Smart homes promote several connected gadgets involving smart locks, safety systems, and home mechanization centers. Fingerprint sensors offer an elevated level of security for these systems by ascertaining that only sanctioned persons can enter and regulate them.

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Key findings:

- The fingerprint sensor market segmentation is based on type, technology, application, and region.
- By type analysis, the swipe sensor segment held the largest market share. This is due to their strong presentation and dependability, together with their extensive acquisition of several consumer gadgets such as smartphones and security systems.
- By technology analysis, the capacitive segment is poised to register a significant CAGR. This is due to its elevated preciseness and dependability in several applications.

Report highlights:

The research report covers all the major regions and sub-regions of the fingerprint sensor market. The study provides market insights into North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa.

Asia Pacific: Asia Pacific accounted for the largest market share. This is primarily because of the speedy acquisition of biometric technologies in nations such as China and India, which are encountering notable growth in consumer electronics and safety applications.

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FAQs:

How much is the fingerprint sensor market worth?

The market size was valued at USD 3.90 billion in 2023 and is projected to grow to USD 6.77 billion by 2032.

What is the growth rate of the fingerprint sensor market?

The global market is projected to grow at a CAGR of 6.3% during the forecast period.

Which region held the largest share in the market?

Asia Pacific held the largest share of the global market in 2023.

Which segment based on type is expected to register a significant CAGR in the market during the forecast period?

The area and touch sensor type segment is projected for significant growth in the global market during 2024–2032.

For more information on the market, visit our website:

<https://www.polarismarketresearch.com/industry-analysis/fingerprint-sensor-market> 6.3% CAGR, Asia Pacific held the largest share of the global market in 2023, projected to grow at a CAGR of 6.77% during 2024-2032

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