

Smartphone Sensors Market Growth Analysis Report - Market Size, Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-13 | 159 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$3599.00
- Five User License \$4249.00
- Corporate License \$5099.00

Report description:

The global smartphone sensors market reached a value of about USD 3.50 Billion in 2024. The market is further expected to grow at a CAGR of about 3.00% in the forecast period of 2025-2034 to reach a value of around USD 4.70 Billion by 2034.

It is expected that the adoption of sensor fusion solutions will increase significantly, further accelerating the growth of the smartphone sensors market over the forecast period.

Market Segmentation

The sensor for smartphones is one of the several different types of sensing devices installed on a user's phone, often in conjunction with a mobile app, to collect data for different user purposes. The smartphone sensors market can be broadly categorised based on forms, prices, and end-uses.

Based on forms, the smartphone sensors market can be divided into:

- Interface
- Security
- Motion

On the basis of price, the smartphone sensors market can be divided into:

- Premium Range
- Medium Range
- Low Range

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Based on the end-use segments, the smartphone sensors market can be segmented into:

- Industrial Machinery
- Construction
- Aerospace and Defence
- Automotive
- Electronics
- Telecommunication
- Others

Looks into the regional smartphone sensors market like:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis

The integration of more sensors into premium smartphones is a key factor driving the growth of the global sensors market for smartphones. There is an increasing number of technologies integrated into smartphones, including 3D sensing, NFC, fingerprint scanning, air gesture, and facial recognition. These features require a higher number of sensors to be integrated with smartphones. As a result, with more than five sensors, premium smartphones are integrated to enable features such as facial recognition sensing and fingerprint sensing. As a result, the growing convergence of advanced technologies during the forecast period is expected to increase the demand for smartphone sensors, thus, leading to the growth of the sensors market for smartphones.

Competitive Landscape

The report presents a detailed analysis of the following key players in the global smartphone sensors, looking into their capacity, competitive landscape, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Alps Electric Co., Ltd. (TYO: 6770)
- Fujitsu Limited (TYO: 6702)
- InvenSense Inc.
- Murata Manufacturing Co., Ltd. (TYO: 6981)
- Panasonic Corporation (TYO: 6752)
- Bosch Sensortec GmbH
- MEMS VISION
- Samsung Electronics Co., Ltd.
- Sony Semiconductor Solutions Corporation
- Broadcom Inc.
- STMicroelectronics International N.V
- Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The EMR report gives an in-depth insight into the smartphone sensors market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Global Smartphone Sensors Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 Global Smartphone Sensors Historical Market (2018-2024)
 - 5.3 Global Smartphone Sensors Market Forecast (2025-2034)
 - 5.4 Global Smartphone Sensors Market by Form
 - 5.4.1 Interface
 - 5.4.1.1 Historical Trend (2018-2024)
 - 5.4.1.2 Forecast Trend (2025-2034)
 - 5.4.1.3 Breakup by Type
 - 5.4.1.3.1 Proximity
 - 5.4.1.3.2 Near Field Communication (NFC)
 - 5.4.1.3.3 Ambient Light Sensor
 - 5.4.2 Security

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.4.2.1 Historical Trend (2018-2024)
- 5.4.2.2 Forecast Trend (2025-2034)
- 5.4.2.3 Breakup by Type
 - 5.4.2.3.1 Face/Eye/Iris Recognition
 - 5.4.2.3.2 Fingerprint Sensor
 - 5.4.2.3.3 Environmental
 - 5.4.2.3.4 Barometer
 - 5.4.2.3.5 Thermometer
 - 5.4.2.3.6 Humidity Sensor
- 5.4.3 Motion
 - 5.4.3.1 Historical Trend (2018-2024)
 - 5.4.3.2 Forecast Trend (2025-2034)
 - 5.4.3.3 Breakup by Type
 - 5.4.3.3.1 Accelerometer
 - 5.4.3.3.2 Gyroscope
 - 5.4.3.3.3 Compass
 - 5.4.3.3.4 Pedometer
- 5.5 Global Smartphone Sensors Market by Price Range
 - 5.5.1 Premium Range
 - 5.5.1.1 Historical Trend (2018-2024)
 - 5.5.1.2 Forecast Trend (2025-2034)
 - 5.5.2 Medium Range
 - 5.5.2.1 Historical Trend (2018-2024)
 - 5.5.2.2 Forecast Trend (2025-2034)
 - 5.5.3 Low Range
 - 5.5.3.1 Historical Trend (2018-2024)
 - 5.5.3.2 Forecast Trend (2025-2034)
- 5.6 Global Smartphone Sensors Market by End Use
 - 5.6.1 Industrial Machinery
 - 5.6.1.1 Historical Trend (2018-2024)
 - 5.6.1.2 Forecast Trend (2025-2034)
 - 5.6.2 Construction
 - 5.6.2.1 Historical Trend (2018-2024)
 - 5.6.2.2 Forecast Trend (2025-2034)
 - 5.6.3 Aerospace and Defence
 - 5.6.3.1 Historical Trend (2018-2024)
 - 5.6.3.2 Forecast Trend (2025-2034)
 - 5.6.4 Automotive
 - 5.6.4.1 Historical Trend (2018-2024)
 - 5.6.4.2 Forecast Trend (2025-2034)
 - 5.6.5 Electronics
 - 5.6.5.1 Historical Trend (2018-2024)
 - 5.6.5.2 Forecast Trend (2025-2034)
 - 5.6.6 Telecommunication
 - 5.6.6.1 Historical Trend (2018-2024)
 - 5.6.6.2 Forecast Trend (2025-2034)
 - 5.6.7 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.7 Global Smartphone Sensors Market by Region

5.7.1 North America

5.7.1.1 Historical Trend (2018-2024)

5.7.1.2 Forecast Trend (2025-2034)

5.7.2 Europe

5.7.2.1 Historical Trend (2018-2024)

5.7.2.2 Forecast Trend (2025-2034)

5.7.3 Asia Pacific

5.7.3.1 Historical Trend (2018-2024)

5.7.3.2 Forecast Trend (2025-2034)

5.7.4 Latin America

5.7.4.1 Historical Trend (2018-2024)

5.7.4.2 Forecast Trend (2025-2034)

5.7.5 Middle East and Africa

5.7.5.1 Historical Trend (2018-2024)

5.7.5.2 Forecast Trend (2025-2034)

6 North America Smartphone Sensors Market Analysis

6.1 United States of America

6.1.1 Historical Trend (2018-2024)

6.1.2 Forecast Trend (2025-2034)

6.2 Canada

6.2.1 Historical Trend (2018-2024)

6.2.2 Forecast Trend (2025-2034)

7 Europe Smartphone Sensors Market Analysis

7.1 United Kingdom

7.1.1 Historical Trend (2018-2024)

7.1.2 Forecast Trend (2025-2034)

7.2 Germany

7.2.1 Historical Trend (2018-2024)

7.2.2 Forecast Trend (2025-2034)

7.3 France

7.3.1 Historical Trend (2018-2024)

7.3.2 Forecast Trend (2025-2034)

7.4 Italy

7.4.1 Historical Trend (2018-2024)

7.4.2 Forecast Trend (2025-2034)

7.5 Others

8 Asia Pacific Smartphone Sensors Market Analysis

8.1 China

8.1.1 Historical Trend (2018-2024)

8.1.2 Forecast Trend (2025-2034)

8.2 Japan

8.2.1 Historical Trend (2018-2024)

8.2.2 Forecast Trend (2025-2034)

8.3 India

8.3.1 Historical Trend (2018-2024)

8.3.2 Forecast Trend (2025-2034)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.4 ASEAN
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
- 8.5 Australia
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
- 8.6 Others
- 9 Latin America Smartphone Sensors Market Analysis
 - 9.1 Brazil
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Argentina
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Mexico
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
 - 9.4 Others
- 10 Middle East and Africa Smartphone Sensors Market Analysis
 - 10.1 Saudi Arabia
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 United Arab Emirates
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Nigeria
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 South Africa
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Others
- 11 Market Dynamics
 - 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
 - 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
 - 11.3 Key Indicators for Demand
 - 11.4 Key Indicators for Price
- 12 Competitive Landscape

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12.1 Supplier Selection
- 12.2 Key Global Players
- 12.3 Key Regional Players
- 12.4 Key Player Strategies
- 12.5 Company Profiles
 - 12.5.1 Alps Electric Co., Ltd. (TYO: 6770)
 - 12.5.1.1 Company Overview
 - 12.5.1.2 Product Portfolio
 - 12.5.1.3 Demographic Reach and Achievements
 - 12.5.1.4 Certifications
 - 12.5.2 Fujitsu Limited (TYO: 6702)
 - 12.5.2.1 Company Overview
 - 12.5.2.2 Product Portfolio
 - 12.5.2.3 Demographic Reach and Achievements
 - 12.5.2.4 Certifications
 - 12.5.3 InvenSense Inc.
 - 12.5.3.1 Company Overview
 - 12.5.3.2 Product Portfolio
 - 12.5.3.3 Demographic Reach and Achievements
 - 12.5.3.4 Certifications
 - 12.5.4 Murata Manufacturing Co., Ltd. (TYO: 6981)
 - 12.5.4.1 Company Overview
 - 12.5.4.2 Product Portfolio
 - 12.5.4.3 Demographic Reach and Achievements
 - 12.5.4.4 Certifications
 - 12.5.5 Panasonic Corporation (TYO: 6752)
 - 12.5.5.1 Company Overview
 - 12.5.5.2 Product Portfolio
 - 12.5.5.3 Demographic Reach and Achievements
 - 12.5.5.4 Certifications
 - 12.5.6 Bosch Sensortec GmbH
 - 12.5.6.1 Company Overview
 - 12.5.6.2 Product Portfolio
 - 12.5.6.3 Demographic Reach and Achievements
 - 12.5.6.4 Certifications
 - 12.5.7 MEMS VISION
 - 12.5.7.1 Company Overview
 - 12.5.7.2 Product Portfolio
 - 12.5.7.3 Demographic Reach and Achievements
 - 12.5.7.4 Certifications
 - 12.5.8 Samsung Electronics Co., Ltd.
 - 12.5.8.1 Company Overview
 - 12.5.8.2 Product Portfolio
 - 12.5.8.3 Demographic Reach and Achievements
 - 12.5.8.4 Certifications
 - 12.5.9 Sony Semiconductor Solutions Corporation
 - 12.5.9.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 12.5.9.2 Product Portfolio
- 12.5.9.3 Demographic Reach and Achievements
- 12.5.9.4 Certifications
- 12.5.10 Broadcom Inc.
 - 12.5.10.1 Company Overview
 - 12.5.10.2 Product Portfolio
 - 12.5.10.3 Demographic Reach and Achievements
 - 12.5.10.4 Certifications
- 12.5.11 STMicroelectronics International N.V.
 - 12.5.11.1 Company Overview
 - 12.5.11.2 Product Portfolio
 - 12.5.11.3 Demographic Reach and Achievements
 - 12.5.11.4 Certifications
- 12.5.12 Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Smartphone Sensors Market Growth Analysis Report - Market Size, Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-08-13 | 159 pages | EMR Inc.

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$3599.00
	Five User License	\$4249.00
	Corporate License	\$5099.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-09"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

