Fingerprint Sensors Market by Type (Swipe, Area & Touch), Technology (Capacitive, Thermal, Optical), Application (Mobile Devices, Travel & Immigration, Government, Military & Defense, Banking & Finance) and Geography - Global Forecast to 2022

Description: The fingerprint sensors market was valued at 2.94 billion in 2015 and is expected to grow at a CAGR of 18.9% between 2016 and 2022, to reach USD 8.85 billion by 2022. Approximately, 649.1 million fingerprint sensors were shipped worldwide in 2015 and the shipment is expected to reach 3,252.1 million by 2022, at a CAGR of 23.2% between 2016 and 2022.

The growing adoption of fingerprint sensors in the banking & finance industry, increasing usage of fingerprint sensors in smartphones and other consumer electronics, need for secured and simplified user access, rapid growth in mobile commerce, and the increasing usage of biometrics systems for criminal identification among others are the factors driving the growth of the market.

"Banking & finance application expected to grow at a high rate in the fingerprint sensors market during the forecast period"

The growth of the fingerprint sensors market in the banking & finance industry is mainly driven by the rising instances of fraudulence in transaction which demand more secure options such as biometric cards and products. Also, there has been an increase in non-cash transactions in the past few years which drives the demand for cards (credit/debit). Biometric debit or credit cards provide more security over other methods, which is one of the driving factors behind the growth of this market in the banking & finance industry.

"APAC to be the leading and fastest-growing market for fingerprint sensors during the forecast period"

The growth of the fingerprint sensors market in APAC is attributed to the increase in demand for mobile devices, increased government projects in law enforcements, rapid urbanization, growing population, and the increasing disposable income.

The break-up of the profiles of primary participants for the report has been given below:
- By Company Type: Tier 1 – 35%, Tier 2 – 46%, and Tier 3 – 19%
- By Designation: C–Level Executives – 45%, Directors– 35%, Others – 20%
- By Region: North America - 41%, Europe – 36%, APAC – 17%, RoW – 6%

The key players in the fingerprint sensors market include Apple Inc. (U.S.), Fingerprint Cards AB (Sweden), Synaptics Inc. (U.S.), Goodix Ltd. (China), Egis Technology Inc. (Taiwan), Silead Inc. (China), IDEX ASA (Norway), Safran Identity & Security (France), Thales SA (France), Suprema Inc. (South Korea), Dermalog Identification Systems GmbH (Germany), Crossmatch (U.S.), NEC Corp. (Japan), and 3M Cogent Inc. (U.S.)

Reasons to buy the report:
- Illustrative segmentation, analysis, and forecast for the market based on type, technology, application, and geography have been conducted to give an overall view of the fingerprint sensors market.
- The Porter’s five forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the fingerprint sensors market.
- The major drivers, restraints, opportunities, and challenges for the fingerprint sensors market have been detailed in this report.
- The report includes a detailed competitive landscape along with key players, in-depth analysis, and revenue of key players.

Contents:
1 Introduction
1.1 Objectives of the Study
1.2 Market Definition
1.3 Study Scope
1.3.1 Markets Covered
1.3.2 Geographic Scope
1.4 Years Considered
1.5 Currency
1.6 Limitations
1.7 Stakeholders

2 Research Methodology
2.1 Research Data
2.1.1 Secondary Data
2.1.1.1 Key Data From Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data From Primary Sources
2.1.2.2 Key Industry Insights
2.1.2.3 Breakdown of Primary Interviews
2.2 Market Size Estimation
2.2.1 Bottom-Up Approach
2.2.2 Top-Down Approach
2.3 Market Breakdown and Data Triangulation
2.4 Report Assumptions

3 Executive Summary

4 Premium Insights
4.1 Fingerprint Sensors Market to Grow at A High Rate During the Forecast Period
4.2 Market, By Technology
4.3 Market, By Region and Application

5 Market Overview
5.1 Introduction
5.2 Market Segmentation
5.2.1 Fingerprint Sensors Market, By Type
5.2.2 Market, By Technology
5.2.3 Market, By Application
5.3 Market Dynamics
5.3.1 Drivers
5.3.1.1 Government Initiatives to Adopt Biometrics in Various Fields
5.3.1.2 Increasing Usage of Fingerprint Sensors in Smartphones and Other Consumer Electronics
5.3.1.3 Need for Secured and Simplified User Access
5.3.1.4 Rapid Growth in Mobile Commerce
5.3.1.5 Increase in the Usage of Biometrics Systems for Criminal Identification
5.3.2 Restraints
5.3.2.1 Lack of Awareness Among the Users Regarding Security Constraints
5.3.3 Opportunities
5.3.3.1 Emerging Application Areas of Fingerprint Sensors in IoT
5.3.3.2 Growing Opportunities for Fingerprint Sensors in the Banking & Finance Industry
5.3.4 Challenge
5.3.4.1 Size, Performance, and Reliability Issues of Fingerprint Sensors

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Porter’s Five Forces Analysis: Fingerprint Sensors Market
6.3.1 Bargaining Power of Suppliers
6.3.2 Bargaining Power of Buyers
6.3.3 Threat of Substitutes
6.3.4 Threat of New Entrants
6.3.5 Intensity of Competitive Rivalry

7 Fingerprint Sensors Market, By Type
7.1 Introduction
7.2 Swipe Sensors
7.3 Area & Touch Sensors

8 Fingerprint Sensors Market, By Technology
8.1 Introduction
8.2 Capacitive and RF Capacitive Sensing Technology
8.3 Optical Sensing Technology
8.4 Other Sensing Technologies

9 Materials Used in Fingerprint Sensors
9.1 Introduction
9.2 Piezoelectric Material (Quartz)
9.3 Pyroelectric Material (Lithium Tantalate)
9.4 Adhesives
9.4.1 Silicon
9.4.2 Epoxy Resins
9.4.3 Urethane
9.4.4 Anaerobic
9.5 Coating Material

10 Fingerprint Sensors Market, By Application
10.1 Introduction
10.2 Consumer Electronics/Mobile Devices
10.2.1 Smartphones
10.2.2 Laptops/Notebooks/Tables
10.2.3 Wristbands and Smartbands
10.2.4 Usb Flash Drives
10.2.5 Other Consumer Electronics
10.3 Travel & Immigration
10.4 Government & Law Enforcement
10.5 Military, Defense, & Aerospace
10.6 Banking & Finance
10.7 Commercial
10.8 Healthcare
10.9 Smart Homes
10.10 Others

11 Geographic Analysis
11.1 Introduction
11.2 North America
11.2.1 U.S.
11.2.2 Canada
11.2.3 Mexico
11.3 Europe
11.3.1 Germany
11.3.2 U.K.
11.3.3 France
11.3.4 Italy
11.3.5 Rest of Europe
11.4 APAC
11.4.1 China
11.4.2 India
11.4.3 Japan
11.4.4 South Korea
11.4.5 Rest of APAC
11.5 RoW
11.5.1 Latin America
11.5.2 Middle East & Africa

12 Competitive Landscape
12.1 Market Player Ranking Analysis of the Fingerprint Sensors Market
12.2 New Product Launches
12.3 Expansions
12.4 Agreements/Contracts/Collaborations/Partnerships
12.5 Mergers & Acquisitions

13 Company Profiles
(Company at A Glance, Business Overview, Products Offered, Key Strategy, Recent Developments, SWOT Analysis & MnM View)*

13.1 Introduction
13.2 Apple Inc.
13.3 Synaptics Inc.
13.4 Fingerprint Cards AB
13.5 Goodix Ltd
13.6 Egis Technology Inc.
13.7 Silead Inc.
13.8 Idex ASA
13.9 Safran Identity & Security (Morpho)
13.10 Thales SA
13.11 Suprema Inc.
13.12 Dermalog Identification Systems GmbH
13.13 Crossmatch
13.14 3M Cogent Inc.
13.15 NEC Corporation

*Details on Company at A Glance, Recent Financials, Products Offered, Strategies & Insights, & Recent Developments Might Not Be Captured in Case of Unlisted Companies.

14 Appendix
14.1 Insights From Industry Experts
14.2 Discussion Guide
14.3 Knowledge Store
14.4 Introducing RT: Real-Time Market Intelligence
14.5 Available Customization
14.6 Related Reports

List of Tables
Table 1 Currency Table
Table 2 Fingerprint Sensors Market, By Type
Table 3 Market, By Technology
Table 4 Market, By Application
Table 5 Market, By Type, 2014-2022 (Million Units)
Table 6 Market, By Technology, 2014-2022 (USD Million)
Table 7 Market, By Application, 2014-2022 (USD Million)
Table 8 Market, By Application, 2014-2022 (Million Units)
Table 9 Market for Consumer Electronics/Mobile Devices Application, By Technology, 2014-2022 (USD Million)
Table 10 Fingerprint Sensors Market for Consumer Electronics/Mobile Devices Application, By Region, 2014-2022 (USD Million)
Table 11 Market for Travel & Immigration Application, By Technology, 2014-2022 (USD Million)
Table 12 Market for Travel & Immigration Application, By Region, 2014-2022 (USD Million)
Table 13 Fingerprint Sensors Market for Government & Law Enforcement Application, By Technology, 2014-2022 (USD Million)
Table 14 Market for Government & Law Enforcement Application, By Region, 2013-2022 (USD Million)
Table 15 Market for Military, Defense, & Aerospace Application, By Region, 2014-2022 (USD Million)
Table 16 Market for Banking & Finance Application, By Technology, 2014-2022 (USD Million)
Table 17 Market for Banking & Finance Application, By Region, 2014-2022 (USD Million)
Table 18 Market for Commercial Security Application, By Technology, 2014-2022 (USD Million)
Table 19 Market for Commercial Security Application, By Region, 2014-2022 (USD Million)
Table 20 Market for Healthcare Application, By Technology, 2014-2022 (USD Million)
Table 21 Market for Healthcare Application, By Region, 2014-2022 (USD Million)
Table 22 Market for Smart Homes Application, By Technology, 2014-2022 (USD Million)
Table 23 Market for Smart Homes Application, By Region, 2014-2022 (USD Million)
Table 24 Market for Other Applications, By Technology, 2014-2022 (USD Million)
Table 25 Market for Other Applications, By Region, 2014-2022 (USD Million)
| Table 26 | Market, By Region, 2014-2022 (USD Million) |
| Table 27 | Market in North America, By Country, 2014-2022 (USD Million) |
| Table 28 | Market in North America for Consumer Electronics/Mobile Devices Application, By Country, 2014-2022 (USD Million) |
| Table 29 | Fingerprint Sensors Market in North America for Travel & Immigration Application, By Country, 2014-2022 (USD Million) |
| Table 30 | Market in North America for Government & Law Enforcement Application, By Country, 2014-2022 (USD Million) |
| Table 31 | Fingerprint Sensors Market in North America for Military, Defense, & Aerospace Application, By Country, 2014-2022 (USD Million) |
| Table 32 | Market in North America for Banking & Finance Application, By Country, 2014-2022 (USD Million) |
| Table 33 | Market in North America for Healthcare Application, By Country, 2014-2022 (USD Million) |
| Table 34 | Fingerprint Sensors Market in North America for Smart Homes Application, By Country, 2014-2022 (USD Million) |
| Table 35 | Market in North America for Commercial Security Application, By Country, 2014-2022 (USD Million) |
| Table 36 | Fingerprint Sensors Market in North America for Other Applications, By Country, 2014-2022 (USD Million) |
| Table 37 | Market in Europe, By Country, 2014-2022 (USD Million) |
| Table 38 | Market in Europe for Consumer Electronics/Mobile Devices Application, By Country, 2014-2022 (USD Million) |
| Table 39 | Fingerprint Sensors Market in Europe for Travel & Immigration Application, By Country, 2014-2022 (USD Million) |
| Table 40 | Market in Europe for Government & Law Enforcement Application, By Country, 2014-2022 (USD Million) |
| Table 41 | Fingerprint Sensors Market in Europe for Military, Defense, & Aerospace, By Country, 2014-2022 (USD Million) |
| Table 42 | Market in Europe for Banking & Finance Application, By Country, 2014-2022 (USD Million) |
| Table 43 | Market in Europe for Healthcare Application, By Country, 2014-2022 (USD Million) |
| Table 44 | Fingerprint Sensors Market in Europe for Smart Homes Application, By Country, 2014-2022 (USD Million) |
| Table 45 | Market in Europe for Commercial Security Application, By Country, 2014-2022 (USD Million) |
| Table 46 | Market in APAC, By Country, 2014-2022 (USD Million) |
| Table 47 | Market in APAC for Consumer Electronics/Mobile Devices Application, By Country, 2014-2022 (USD Million) |
| Table 48 | Market in APAC for Travel & Immigration Application, By Country, 2014-2022 (USD Million) |
| Table 49 | Market in APAC for Government & Law Enforcement Application, By Country, 2014-2022 (USD Million) |
| Table 50 | Market in APAC for Military, Defense, & Aerospace Application, By Country, 2014-2022 (USD Million) |
| Table 51 | Market in APAC for Banking & Finance Application, By Country, 2014-2022 (USD Million) |
| Table 52 | Market in APAC for Healthcare Application, By Country, 2014-2022 (USD Million) |
| Table 53 | Fingerprint Sensors Market in APAC for Smart Homes Application, By Country, 2014-2022 (USD Million) |
| Table 54 | Market in APAC for Commercial Security Application, By Country, 2014-2022 (USD Million) |
| Table 55 | Market in APAC for Other Applications, By Country, 2014-2022 (USD Million) |
| Table 56 | Market in RoW, By Region, 2014-2022 (USD Million) |
| Table 57 | Market in RoW for Consumer Electronics/Mobile Devices Application, By Region, 2014-2022 (USD Million) |
| Table 58 | Fingerprint Sensors Market in RoW for Travel & Immigration Application, By Region, 2014-2022 (USD Million) |
| Table 59 | Market in RoW for Government & Law Enforcement Application, By Region, 2014-2022 (USD Million) |
| Table 60 | Fingerprint Sensors Market in RoW for Military, Aerospace, & Defense Application, By Region, 2014-2022 (USD Million) |
| Table 61 | Market in RoW for Banking & Finance Application, By Region, 2014-2022 (USD Million) |
| Table 62 | Market in RoW for Healthcare Application, By Region, 2014-2022 (USD Million) |
| Table 63 | Market in RoW for Smart Homes Application, By Region, 2014-2022 (USD Million) |
| Table 64 | Fingerprint Sensors Market in RoW for Commercial Security Application, By Region, 2014-2022 (USD Million) |
| Table 65 | Market in RoW for Other Applications, By Region, 2014-2022 (USD Million) |
| Table 66 | Key Player Rank for Market for Mobile Devices |
| Table 67 | New Product Launches, 2015-2016 |
| Table 68 | Expansions, 2015-2016 |
| Table 69 | Agreements/Joint Ventures/Partnerships , 2015-2016 |
| Table 70 | Mergers & Acquisitions, 2012-2014 |
List of Figures

Figure 1 Fingerprint Sensors Market
Figure 2 Global Market: Research Design
Figure 3 Breakdown of Primary Interviews: By Company Type, Designation, and Region
Figure 4 Market Size Estimation Methodology: Bottom-Up Approach
Figure 5 Market Size Estimation Methodology: Top-Down Approach
Figure 6 Fingerprint Sensors Market, By Technology (2015 vs 2022)
Figure 7 Market, By Technology (2016-2022)
Figure 8 Market, By Geography, 2015
Figure 9 Growth Opportunities for the Market Between 2016 and 2022
Figure 10 Market for Capacitive & RF Capacitive Technology Expected to Grow at the Highest Rate During the Forecast Period (2016-2022)
Figure 11 North America Held the Major Share of the Global Market in 2015
Figure 12 U.S. Held the Largest Share of the Global Fingerprint Market in 2015
Figure 13 Increasing Usage of Fingerprint Sensors in Smartphones is Driving the Growth of the Market
Figure 14 Value Chain Analysis of the Market: Major Value is Added By Component Manufacturers and Product Manufacturers
Figure 15 Porter's Five Forces Analysis: Market (2015)
Figure 16 Porter's Five Forces Analysis: Market
Figure 17 Bargaining Power of Suppliers
Figure 18 Bargaining Power of Buyers
Figure 19 Threat of Substitutes
Figure 20 Threat of New Entrants
Figure 21 Intensity of Competitive Rivalry
Figure 22 Area & Touch Sensors Expected to Lead the Market During the Forecast Period
Figure 23 Capacitive & RF Capacitive Technology Expected to Dominate the Market During the Forecast Period
Figure 24 Consumer Electronics/Mobile Devices Application to Lead the Market During the Forecast Period
Figure 25 Capacitive & RF Capacitive Technology to Grow at the Highest Rate in the Market for Consumer Electronics/Mobile Devices
Figure 26 APAC to Lead the Market for Consumer Electronics/Mobile Devices Application By 2022
Figure 27 APAC Market for Fingerprint Sensors for Travel & Immigration Application to Grow at the Highest Rate During Forecast Period
Figure 28 Capacitive & RF Capacitive Technology to Dominate the Market for Government & Law Enforcement (2016-2022)
Figure 29 APAC Expected to Witness the Highest Growth in the Market for Government & Law Enforcement Application
Figure 30 North America to Lead the Market for the Military, Defense, & Aerospace Application During the Forecast Period
Figure 31 Capacitive & RF Capacitive Technology to Dominate the Market for Banking & Finance Application During the Forecast Period
Figure 32 APAC Market for Fingerprint Sensors to Grow at the Highest Rate for the Banking and Finance Application (2016-2022)
Figure 33 APAC Market for Fingerprint Sensors in the Commercial Security Application to Grow at the Highest Rate Between 2016 and 2022
Figure 34 North America to Dominate the Fingerprint Sensors Market for Healthcare Application During the Forecast Period
Figure 35 North America to Dominate the Market for Smart Homes Application (2016-2022)
Figure 36 Geographic Snapshot for the Market, 2016-2022
Figure 37 APAC Expected to Be the Leading Market for Fingerprint Sensors By 2022
Figure 38 U.S. Expected to Dominate the North American Fingerprint Sensors Market
Figure 39 U.S. to Dominate the Market for Consumer Electronics/Mobile Devices Application (2016-2022)
Figure 40 U.S. Expected to Dominate the North American Fingerprint Sensors Market for the Travel & Immigration Application During the Forecast Period
Figure 41 U.S. to Dominate the North American Fingerprint Sensors Market for Government & Law Enforcement Application
Figure 42 North American Fingerprint Sensors Market for Banking & Finance Application to Grow at A Significant Rate for During the Forecast Period
Figure 43 Germany to Dominate the European Fingerprint Sensors Market During the Forecast Period
Figure 44 German Market for Consumer Electronics/Mobile Devices Application to Grow at A Significant Rate
During the Forecast Period
Figure 45 Germany & U.K. to Hold the Top 2 Positions for Travel & Immigration Application of Market (2016-2022)
Figure 46 Germany to Lead the Government & Law Enforcement Application of Market
Figure 47 Market in Germany and U.K. to Grow at Significant Rates for the Banking & Finance Application
Figure 48 APAC: Market Snapshot (2016-2022)
Figure 49 China to Lead the APAC Fingerprint Sensors Market During the Forecast Period
Figure 50 China and India to Witness High Growth for the Market for Consumer Electronics/Mobile Devices Application
Figure 51 China to Dominate the Market for Travel & Immigration Application During the Forecast Period
Figure 52 China and India to Witness High Growth Rates in the APAC Fingerprint Sensors Market for Government & Law Enforcement Application
Figure 53 China and Japan to Witness High Growth Rate in the Market for the Banking & Finance Application Between 2016 and 2022
Figure 54 Middle East & Africa to Have Significant Growth Opportunities for the Market During the Forecast Period
Figure 55 Latin America to Lead the Market for Consumer Electronics/Mobile Devices Application in RoW
Figure 56 Middle East & Africa to Lead the Market for Travel & Immigration Application in RoW Between 2016 and 2022
Figure 57 Middle East & Africa to Lead the RoW Fingerprint Sensors Market for Government & Law Enforcement Application
Figure 58 Market in RoW for Military, Defense, & Aerospace Application (2016-2022)
Figure 59 Middle East & Africa to Witness High Growth in the RoW Market for the Smart Homes Application of Fingerprint Sensors
Figure 60 New Product Launches Was the Key Growth Strategy Over the Last Four Years (2011-2015)
Figure 61 Battle for Market Share: Agreement/Collaboration/Strategic Partnership Was the Key Strategy
Figure 62 Business Overview: Apple Inc.
Figure 63 SWOT Analysis: Apple Inc.
Figure 64 Synaptics Inc.: Company Snapshot
Figure 65 SWOT Analysis: Synaptics Inc.
Figure 66 Fingerprint Cards AB: Company Snapshot
Figure 67 SWOT Analysis: Fingerprint Cards AB
Figure 68 Business Overview: Idex ASA
Figure 69 SWOT Analysis: Safran Identity & Security (Morpho)
Figure 70 Thales SA: Company Snapshot.
Figure 71 NEC Corporation: Company Snapshot

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3786542/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Fingerprint Sensors Market by Type (Swipe, Area & Touch), Technology (Capacitive, Thermal, Optical), Application (Mobile Devices, Travel & Immigration, Government, Military & Defense, Banking & Finance) and Geography - Global Forecast to 2022
Web Address: http://www.researchandmarkets.com/reports/3786542/
Office Code: SCBRBNJH

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information
Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World