

Smart Sensor Market: Trends, Opportunities and Competitive Analysis [2024-2030]

<https://marketpublishers.com/r/SB5B80557663EN.html>

Date: April 2024

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: SB5B80557663EN

Abstracts

Get it in 2 to 4 weeks by ordering today

Smart Sensor Market Trends and Forecast

The future of the global smart sensor market looks promising with opportunities in the automotive, consumer electronics, infrastructure, and medical equipment sectors. The global smart sensor market is expected to reach an estimated \$94.4 billion by 2030 with a CAGR of 12.4% from 2024 to 2030. The major drivers for this market are increasing use of these sensors in vehicles to deliver enhanced safety and comfort, rising demand for sensor based wearable devices, and growing government support for promoting construction of green buildings.

A more than 150-page report is developed to help in your business decisions. A sample figure with some insights is shown below.

Smart Sensor Market by Segment

The study includes trends and forecast for the global smart sensor market by sensor type, technology, network connectivity, end use industry, and region as follows:

Smart Sensor Market by Sensor Type [Value (\$B) Shipment Analysis from 2018 to 2030]:

Image Sensors

Smart Temperature Sensors

Smart Pressure Sensors

Smart Motion Sensors

Touch Sensors

Others

Smart Sensor Market by Technology [Value (\$B) Shipment Analysis from 2018 to 2030]:

CMOS

MEMS

Others

Smart Sensor Market by Network Connectivity [Value (\$B) Shipment Analysis from 2018 to 2030]:

Wired

Wireless (Bluetooth, EnOcean, Wi-Fi, ZigBee, Z-Wave, and Others)

Smart Sensor Market by End Use Industry [Value (\$B) Shipment Analysis from 2018 to 2030]:

Automotive Industry

Consumer Electronic

Infrastructure

Medical Equipment

Others

Smart Sensor Market by Region [Value (\$B) Shipment Analysis from 2018 t%li%2030]:

North America

Europe

Asia Pacific

List of Smart Sensor Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies, smart sensor companies cater t%li%increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the smart sensor companies profiled in this report include-

ABB

Analog Devices

Eaton Corp

Emerson Process Management

Infineon Technologies

NXP Semiconductors

Renesas Electronics

Siemens

STMicroelectronics

Yokogawa Electric Corp

Smart Sensor Market Insights

Lucintel forecasts that smart pressure sensors will remain the largest sensor type segment over the forecast period due to growing concern for the comfort and safety level of drivers and passengers of vehicles and significantly growing consumer electronics industry.

Within the smart sensor market, consumer electronics will remain the largest end use industry and it is also expected to witness the highest growth over the forecast period due to the increasing adoption in smartphones, gaming consoles, PCs, home appliances, and kitchen appliances.

MEMS, CMOS, and Optical spectroscopy are the major technologies in the global smart sensor market. Lucintel forecasts that MEMS based smart sensors will remain the largest technology due to the increasing adoption in automotive, industrial, healthcare, and consumer electronics industries.

APAC will remain the largest region over the forecast period, and it is also expected to witness the highest growth due to rapid modernization, increasing adoption of new technologies, and significant growing consumer electronics, automotive, and healthcare industries.

Features of the Smart Sensor Market

Market Size Estimates: Smart sensor market size estimation in terms of value (\$B)

Trend And Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Smart Sensor market size by various segments, such as by sensor type, technology, network connectivity, end use industry, and region

Regional Analysis: Smart Sensor market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different sensor types, technologies, network connectivity, end use industries, and regions for the smart sensor market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the smart sensor market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the smart sensor market size?

Answer: The global smart sensor market is expected to reach an estimated \$94.4 billion by 2030.

Q2. What is the growth forecast for smart sensor market?

Answer: The global smart sensor market is expected to grow with a CAGR of 12.4% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the smart sensor market?

Answer: The major drivers for this market are increasing use of these sensors in vehicles to deliver enhanced safety and comfort, rising demand for sensor based wearable devices, and growing government support for promoting construction of green buildings.

Q4. What are the major segments for smart sensor market?

Answer: The future of the smart sensor market looks promising with opportunities in the automotive, consumer electronics, infrastructure, and medical equipment sectors.

Q5. What are the key smart sensor companies?

Answer: Some of the key smart sensor companies are as follows:

ABB

Analog Devices

Eaton Corp

Emerson Process Management

Infineon Technologies

NXP Semiconductors

Renesas Electronics

Siemens

STMicroelectronics

Yokogawa Electric Corp

Q6. Which smart sensor segment will be the largest in future?

Answer: Lucintel forecasts that smart pressure sensors will remain the largest sensor type segment over the forecast period due to growing concern for the comfort and safety level of drivers and passengers of vehicles and significantly growing consumer electronics industry.

Q7. In smart sensor market, which region is expected to be the largest in next 5 years?

Answer: APAC will remain the largest region over the forecast period, and it is also expected to witness the highest growth due to rapid modernization, increasing adoption of new technologies, and significant growing consumer electronics, automotive, and healthcare industries.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising potential, high-growth opportunities for the global smart sensor market by sensor type (image sensors, smart motion sensors, smart position sensors, smart pressure sensors, smart temperature sensors, and touch sensor), technology (MEMS, CMOS, and other), network connectivity (wired and wireless), end use industry (automotive industry, consumer electronics, industrial, infrastructure, medical equipment, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat

d%li%they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last five years and what has its impact been on the industry?

For any questions related t%li%smart sensor market or related smart sensor companies, smart sensor market size, smart sensor market share, smart sensor analysis, write Lucintel analyst at email: helpdesk@lucintel.com we will be glad t%li%get back t%li%you soon.

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL SMART SENSOR MARKET: MARKET DYNAMICS

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2018 TO 2030

3.1: Macroeconomic Trends (2018-2023) and Forecast (2024-2030)

3.2: Global Smart Sensor Market Trends (2018-2023) and Forecast (2024-2030)

3.3: Global Smart Sensor Market by Sensor Type

3.3.1: Image Sensors

3.3.2: Smart Motion Sensors

3.3.3: Smart Position Sensors

3.3.4: Smart Pressure Sensors

3.3.5: Smart Temperature Sensors

3.3.6: Touch Sensors

3.4: Global Smart Sensor Market by Technology

3.4.1: MEMS

3.4.2: CMOS

3.4.3: Others

3.5: Global Smart Sensor Market by Network Connectivity

3.5.1: Wired

3.5.2: Wireless

3.6: Global Smart Sensor Market by End Use Industry

3.6.1: Automotive Industry

3.6.2: Consumer Electronics

3.6.3: Industrial

3.6.4: Infrastructure

3.6.5: Medical Equipment

3.6.6: Others

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2018 TO 2030

4.1: Global Smart Sensor Market by Region

4.2: North American Smart Sensor Market

4.2.1: North American Smart Sensor Market by Sensor Type: Image Sensors, Smart Motion Sensors, Smart Position Sensors, Smart Pressure Sensors, Smart Temperature Sensors, and Touch Sensors

4.2.2: North American Smart Sensor Market by End Use Industry: Automotive Industry, Consumer Electronics, Industrial, Infrastructure, Medical Equipment, and Others

4.3: European Smart Sensor Market

4.3.1: European Smart Sensor Market by Sensor Type: Image Sensors, Smart Motion Sensors, Smart Position Sensors, Smart Pressure Sensors, Smart Temperature Sensors, and Touch Sensors

4.3.2: European Smart Sensor Market by End Use Industry: Automotive Industry, Consumer Electronics, Industrial, Infrastructure, Medical Equipment, and Others

4.4: APAC Smart Sensor Market

4.4.1: APAC Smart Sensor Market by Sensor Type: Image Sensors, Smart Motion Sensors, Smart Position Sensors, Smart Pressure Sensors, Smart Temperature Sensors, and Touch Sensors

4.4.2: APAC Smart Sensor Market by End Use Industry: Automotive Industry, Consumer Electronics, Industrial, Infrastructure, Medical Equipment, and Others

4.5: ROW Smart Sensor Market

4.5.1: ROW Smart Sensor Market by Sensor Type: Image Sensors, Smart Motion Sensors, Smart Position Sensors, Smart Pressure Sensors, Smart Temperature Sensors, and Touch Sensors

4.5.2: ROW Smart Sensor Market by End Use Industry: Automotive Industry, Consumer Electronics, Industrial, Infrastructure, Medical Equipment, and Others

5. COMPETITOR ANALYSIS

5.1: Product Portfolio Analysis

5.2: Operational Integration

5.3: Porter's Five Forces Analysis

6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

6.1: Growth Opportunity Analysis

6.1.1: Growth Opportunities for the Global Smart Sensor Market by Sensor Type

6.1.2: Growth Opportunities for the Global Smart Sensor Market by Technology

6.1.3: Growth Opportunities for the Global Smart Sensor Market by Network Connectivity

- 6.1.4: Growth Opportunities for the Global Smart Sensor Market by End Use Industry
- 6.1.5: Growth Opportunities for the Global Smart Sensor Market by Region
- 6.2: Emerging Trends in the Global Smart Sensor Market
- 6.3: Strategic Analysis
 - 6.3.1: New Product Development
 - 6.3.2: Capacity Expansion of the Global Smart Sensor Market
 - 6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Smart Sensor Market
 - 6.3.4: Certification and Licensing

7. COMPANY PROFILES OF LEADING PLAYERS

- 7.1: ABB
- 7.2: Analog Devices
- 7.3: Eaton Corp
- 7.4: Emerson Process Management

7.5: INFINEON TECHNOLOGIES

- 7.6: NXP Semiconductors
- 7.7: Renesas Electronics
- 7.8: Siemens
- 7.9: STMicroelectronics
- 7.10: Yokogawa Electric Corp

I would like to order

Product name: Smart Sensor Market: Trends, Opportunities and Competitive Analysis [2024-2030]

Product link: <https://marketpublishers.com/r/SB5B80557663EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SB5B80557663EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970