

Global IoT Sensors Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global IoT Sensors market size was valued at US\$ 9415.8 million in 2023. With growing demand in downstream market, the IoT Sensors is forecast to a readjusted size of US\$ 31210 million by 2030 with a CAGR of 18.7% during review period.

The research report highlights the growth potential of the global IoT Sensors market. IoT Sensors are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of IoT Sensors. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the IoT Sensors market.

An IoT sensor is a device that takes input from the physical environment and uses built-in compute resources to perform predefined functions upon detection of specific input and then process data before passing it on. IoT platforms function and deliver valorous kind of intelligence and data using a variety of sensors. They serve to collect data, pushing it and sharing it with a whole network of connected devices. All this collected data makes it possible for devices to autonomously function. By combining a set of sensors and a communication network, devices share information with one another and are improving their effectiveness and functionality.

Geographically, Americas is the largest consumption country of IoT Sensors, with a revenue market share nearly 46% in 2020. The second region is Europe, with the market share of 35.11% in 2020. APAC is the fastest-growing region, especially China, which plays a more important role in the world.

Currently, there are plenty of producing companies in the world. The top five IoT sensors producers are Pressure Sensor, Environmental Sensor, Optical Sensor, Chemical Sensor and Motion Sensor. Pressure Sensor Type is important in the market, with a consumption market share nearly 31.0% in 2020.

IoT Sensors used in Smart City, Connected Industry, Connected Building, Connected Car, Smart Energy, Connected Health and Smart Agriculture. It was showed that 24.04% of the IoT Sensors market demand in Smart City in 2020. The majority of Smart City projects are located in Europe, while the Americas, particularly North America, are strong in Connected Health and Connected Car. The Asia Pacific region is particularly strong in the area of Smart Agriculture projects.

IoT Sensors can be classified into Pressure Sensor, Environmental Sensor, Optical Sensor, Chemical Sensor, Motion Sensor and Others. Press sensor occupies nearly 31% of the market in 2019, which is the biggest number among all.

Key Features:

The report on IoT Sensors market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the IoT Sensors market. It may include historical data, market segmentation by Type (e.g., Pressure Sensor, Environmental Sensor), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the IoT Sensors market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the IoT Sensors market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest

technological developments in the IoT Sensors industry. This include advancements in IoT Sensors technology, IoT Sensors new entrants, IoT Sensors new investment, and other innovations that are shaping the future of IoT Sensors.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the IoT Sensors market. It includes factors influencing customer ' purchasing decisions, preferences for IoT Sensors product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the IoT Sensors market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting IoT Sensors market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the IoT Sensors market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the IoT Sensors industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the IoT Sensors market.

Market Segmentation:

IoT Sensors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Pressure Sensor

Environmental Sensor

Optical Sensor

Chemical Sensor

Motion Sensor

Others

Segmentation by application

Smart City

Connected Industry

Connected Building

Connected Car

Smart Energy

Connected Health

Smart Agriculture

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Bosch

Honeywell

NXP

Infineon

Analog Devices

Panasonic

InvenSense

TI

Silicon Laboratories

ABB

STMicroelectronics

TE Connectivity

Huagong Tech

Sensirion

Zhonghang Electronic Measuring Instruments

Vishay

Hanwei Electronics

Semtech

Omron

Key Questions Addressed in this Report

What is the 10-year outlook for the global IoT Sensors market?

What factors are driving IoT Sensors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do IoT Sensors market opportunities vary by end market size?

How does IoT Sensors break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global IoT Sensors Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for IoT Sensors by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for IoT Sensors by Country/Region, 2019, 2023 & 2030
- 2.2 IoT Sensors Segment by Type
 - 2.2.1 Pressure Sensor
 - 2.2.2 Environmental Sensor
 - 2.2.3 Optical Sensor
 - 2.2.4 Chemical Sensor
 - 2.2.5 Motion Sensor
 - 2.2.6 Others
- 2.3 IoT Sensors Sales by Type
 - 2.3.1 Global IoT Sensors Sales Market Share by Type (2019-2024)
 - 2.3.2 Global IoT Sensors Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global IoT Sensors Sale Price by Type (2019-2024)
- 2.4 IoT Sensors Segment by Application
 - 2.4.1 Smart City
 - 2.4.2 Connected Industry
 - 2.4.3 Connected Building
 - 2.4.4 Connected Car
 - 2.4.5 Smart Energy
 - 2.4.6 Connected Health

2.4.7 Smart Agriculture

2.4.8 Others

2.5 IoT Sensors Sales by Application

2.5.1 Global IoT Sensors Sale Market Share by Application (2019-2024)

2.5.2 Global IoT Sensors Revenue and Market Share by Application (2019-2024)

2.5.3 Global IoT Sensors Sale Price by Application (2019-2024)

3 GLOBAL IOT SENSORS BY COMPANY

3.1 Global IoT Sensors Breakdown Data by Company

3.1.1 Global IoT Sensors Annual Sales by Company (2019-2024)

3.1.2 Global IoT Sensors Sales Market Share by Company (2019-2024)

3.2 Global IoT Sensors Annual Revenue by Company (2019-2024)

3.2.1 Global IoT Sensors Revenue by Company (2019-2024)

3.2.2 Global IoT Sensors Revenue Market Share by Company (2019-2024)

3.3 Global IoT Sensors Sale Price by Company

3.4 Key Manufacturers IoT Sensors Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers IoT Sensors Product Location Distribution

3.4.2 Players IoT Sensors Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR IOT SENSORS BY GEOGRAPHIC REGION

4.1 World Historic IoT Sensors Market Size by Geographic Region (2019-2024)

4.1.1 Global IoT Sensors Annual Sales by Geographic Region (2019-2024)

4.1.2 Global IoT Sensors Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic IoT Sensors Market Size by Country/Region (2019-2024)

4.2.1 Global IoT Sensors Annual Sales by Country/Region (2019-2024)

4.2.2 Global IoT Sensors Annual Revenue by Country/Region (2019-2024)

4.3 Americas IoT Sensors Sales Growth

4.4 APAC IoT Sensors Sales Growth

4.5 Europe IoT Sensors Sales Growth

4.6 Middle East & Africa IoT Sensors Sales Growth

5 AMERICAS

5.1 Americas IoT Sensors Sales by Country

5.1.1 Americas IoT Sensors Sales by Country (2019-2024)

5.1.2 Americas IoT Sensors Revenue by Country (2019-2024)

5.2 Americas IoT Sensors Sales by Type

5.3 Americas IoT Sensors Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC IoT Sensors Sales by Region

6.1.1 APAC IoT Sensors Sales by Region (2019-2024)

6.1.2 APAC IoT Sensors Revenue by Region (2019-2024)

6.2 APAC IoT Sensors Sales by Type

6.3 APAC IoT Sensors Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe IoT Sensors by Country

7.1.1 Europe IoT Sensors Sales by Country (2019-2024)

7.1.2 Europe IoT Sensors Revenue by Country (2019-2024)

7.2 Europe IoT Sensors Sales by Type

7.3 Europe IoT Sensors Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa IoT Sensors by Country

8.1.1 Middle East & Africa IoT Sensors Sales by Country (2019-2024)

8.1.2 Middle East & Africa IoT Sensors Revenue by Country (2019-2024)

8.2 Middle East & Africa IoT Sensors Sales by Type

8.3 Middle East & Africa IoT Sensors Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of IoT Sensors

10.3 Manufacturing Process Analysis of IoT Sensors

10.4 Industry Chain Structure of IoT Sensors

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 IoT Sensors Distributors

11.3 IoT Sensors Customer

12 WORLD FORECAST REVIEW FOR IOT SENSORS BY GEOGRAPHIC REGION

12.1 Global IoT Sensors Market Size Forecast by Region

12.1.1 Global IoT Sensors Forecast by Region (2025-2030)

- 12.1.2 Global IoT Sensors Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global IoT Sensors Forecast by Type
- 12.7 Global IoT Sensors Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Bosch

- 13.1.1 Bosch Company Information
- 13.1.2 Bosch IoT Sensors Product Portfolios and Specifications
- 13.1.3 Bosch IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 Bosch Main Business Overview
- 13.1.5 Bosch Latest Developments

13.2 Honeywell

- 13.2.1 Honeywell Company Information
- 13.2.2 Honeywell IoT Sensors Product Portfolios and Specifications
- 13.2.3 Honeywell IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.2.4 Honeywell Main Business Overview
- 13.2.5 Honeywell Latest Developments

13.3 NXP

- 13.3.1 NXP Company Information
- 13.3.2 NXP IoT Sensors Product Portfolios and Specifications
- 13.3.3 NXP IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.3.4 NXP Main Business Overview
- 13.3.5 NXP Latest Developments

13.4 Infineon

- 13.4.1 Infineon Company Information
- 13.4.2 Infineon IoT Sensors Product Portfolios and Specifications
- 13.4.3 Infineon IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.4.4 Infineon Main Business Overview
- 13.4.5 Infineon Latest Developments

13.5 Analog Devices

- 13.5.1 Analog Devices Company Information
- 13.5.2 Analog Devices IoT Sensors Product Portfolios and Specifications
- 13.5.3 Analog Devices IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.5.4 Analog Devices Main Business Overview
- 13.5.5 Analog Devices Latest Developments
- 13.6 Panasonic
 - 13.6.1 Panasonic Company Information
 - 13.6.2 Panasonic IoT Sensors Product Portfolios and Specifications
 - 13.6.3 Panasonic IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Panasonic Main Business Overview
 - 13.6.5 Panasonic Latest Developments
- 13.7 InvenSense
 - 13.7.1 InvenSense Company Information
 - 13.7.2 InvenSense IoT Sensors Product Portfolios and Specifications
 - 13.7.3 InvenSense IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 InvenSense Main Business Overview
 - 13.7.5 InvenSense Latest Developments
- 13.8 TI
 - 13.8.1 TI Company Information
 - 13.8.2 TI IoT Sensors Product Portfolios and Specifications
 - 13.8.3 TI IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 TI Main Business Overview
 - 13.8.5 TI Latest Developments
- 13.9 Silicon Laboratories
 - 13.9.1 Silicon Laboratories Company Information
 - 13.9.2 Silicon Laboratories IoT Sensors Product Portfolios and Specifications
 - 13.9.3 Silicon Laboratories IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 Silicon Laboratories Main Business Overview
 - 13.9.5 Silicon Laboratories Latest Developments
- 13.10 ABB
 - 13.10.1 ABB Company Information
 - 13.10.2 ABB IoT Sensors Product Portfolios and Specifications
 - 13.10.3 ABB IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.10.4 ABB Main Business Overview
 - 13.10.5 ABB Latest Developments
- 13.11 STMicroelectronics
 - 13.11.1 STMicroelectronics Company Information
 - 13.11.2 STMicroelectronics IoT Sensors Product Portfolios and Specifications
 - 13.11.3 STMicroelectronics IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.11.4 STMicroelectronics Main Business Overview

- 13.11.5 STMicroelectronics Latest Developments
- 13.12 TE Connectivity
 - 13.12.1 TE Connectivity Company Information
 - 13.12.2 TE Connectivity IoT Sensors Product Portfolios and Specifications
 - 13.12.3 TE Connectivity IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.12.4 TE Connectivity Main Business Overview
 - 13.12.5 TE Connectivity Latest Developments
- 13.13 Huagong Tech
 - 13.13.1 Huagong Tech Company Information
 - 13.13.2 Huagong Tech IoT Sensors Product Portfolios and Specifications
 - 13.13.3 Huagong Tech IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.13.4 Huagong Tech Main Business Overview
 - 13.13.5 Huagong Tech Latest Developments
- 13.14 Sensirion
 - 13.14.1 Sensirion Company Information
 - 13.14.2 Sensirion IoT Sensors Product Portfolios and Specifications
 - 13.14.3 Sensirion IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.14.4 Sensirion Main Business Overview
 - 13.14.5 Sensirion Latest Developments
- 13.15 Zhonghang Electronic Measuring Instruments
 - 13.15.1 Zhonghang Electronic Measuring Instruments Company Information
 - 13.15.2 Zhonghang Electronic Measuring Instruments IoT Sensors Product Portfolios and Specifications
 - 13.15.3 Zhonghang Electronic Measuring Instruments IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.15.4 Zhonghang Electronic Measuring Instruments Main Business Overview
 - 13.15.5 Zhonghang Electronic Measuring Instruments Latest Developments
- 13.16 Vishay
 - 13.16.1 Vishay Company Information
 - 13.16.2 Vishay IoT Sensors Product Portfolios and Specifications
 - 13.16.3 Vishay IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.16.4 Vishay Main Business Overview
 - 13.16.5 Vishay Latest Developments
- 13.17 Hanwei Electronics
 - 13.17.1 Hanwei Electronics Company Information
 - 13.17.2 Hanwei Electronics IoT Sensors Product Portfolios and Specifications
 - 13.17.3 Hanwei Electronics IoT Sensors Sales, Revenue, Price and Gross Margin

(2019-2024)

13.17.4 Hanwei Electronics Main Business Overview

13.17.5 Hanwei Electronics Latest Developments

13.18 Semtech

13.18.1 Semtech Company Information

13.18.2 Semtech IoT Sensors Product Portfolios and Specifications

13.18.3 Semtech IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.18.4 Semtech Main Business Overview

13.18.5 Semtech Latest Developments

13.19 Omron

13.19.1 Omron Company Information

13.19.2 Omron IoT Sensors Product Portfolios and Specifications

13.19.3 Omron IoT Sensors Sales, Revenue, Price and Gross Margin (2019-2024)

13.19.4 Omron Main Business Overview

13.19.5 Omron Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. IoT Sensors Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. IoT Sensors Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Pressure Sensor

Table 4. Major Players of Environmental Sensor

Table 5. Major Players of Optical Sensor

Table 6. Major Players of Chemical Sensor

Table 7. Major Players of Motion Sensor

Table 8. Major Players of Others

Table 9. Global IoT Sensors Sales by Type (2019-2024) & (K Units)

Table 10. Global IoT Sensors Sales Market Share by Type (2019-2024)

Table 11. Global IoT Sensors Revenue by Type (2019-2024) & (\$ million)

Table 12. Global IoT Sensors Revenue Market Share by Type (2019-2024)

Table 13. Global IoT Sensors Sale Price by Type (2019-2024) & (USD/Unit)

Table 14. Global IoT Sensors Sales by Application (2019-2024) & (K Units)

Table 15. Global IoT Sensors Sales Market Share by Application (2019-2024)

Table 16. Global IoT Sensors Revenue by Application (2019-2024)

Table 17. Global IoT Sensors Revenue Market Share by Application (2019-2024)

Table 18. Global IoT Sensors Sale Price by Application (2019-2024) & (USD/Unit)

Table 19. Global IoT Sensors Sales by Company (2019-2024) & (K Units)

Table 20. Global IoT Sensors Sales Market Share by Company (2019-2024)

Table 21. Global IoT Sensors Revenue by Company (2019-2024) (\$ Millions)

Table 22. Global IoT Sensors Revenue Market Share by Company (2019-2024)

Table 23. Global IoT Sensors Sale Price by Company (2019-2024) & (USD/Unit)

Table 24. Key Manufacturers IoT Sensors Producing Area Distribution and Sales Area

Table 25. Players IoT Sensors Products Offered

Table 26. IoT Sensors Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 27. New Products and Potential Entrants

Table 28. Mergers & Acquisitions, Expansion

Table 29. Global IoT Sensors Sales by Geographic Region (2019-2024) & (K Units)

Table 30. Global IoT Sensors Sales Market Share Geographic Region (2019-2024)

Table 31. Global IoT Sensors Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 32. Global IoT Sensors Revenue Market Share by Geographic Region

(2019-2024)

Table 33. Global IoT Sensors Sales by Country/Region (2019-2024) & (K Units)

Table 34. Global IoT Sensors Sales Market Share by Country/Region (2019-2024)

Table 35. Global IoT Sensors Revenue by Country/Region (2019-2024) & (\$ millions)

Table 36. Global IoT Sensors Revenue Market Share by Country/Region (2019-2024)

Table 37. Americas IoT Sensors Sales by Country (2019-2024) & (K Units)

Table 38. Americas IoT Sensors Sales Market Share by Country (2019-2024)

Table 39. Americas IoT Sensors Revenue by Country (2019-2024) & (\$ Millions)

Table 40. Americas IoT Sensors Revenue Market Share by Country (2019-2024)

Table 41. Americas IoT Sensors Sales by Type (2019-2024) & (K Units)

Table 42. Americas IoT Sensors Sales by Application (2019-2024) & (K Units)

Table 43. APAC IoT Sensors Sales by Region (2019-2024) & (K Units)

Table 44. APAC IoT Sensors Sales Market Share by Region (2019-2024)

Table 45. APAC IoT Sensors Revenue by Region (2019-2024) & (\$ Millions)

Table 46. APAC IoT Sensors Revenue Market Share by Region (2019-2024)

Table 47. APAC IoT Sensors Sales by Type (2019-2024) & (K Units)

Table 48. APAC IoT Sensors Sales by Application (2019-2024) & (K Units)

Table 49. Europe IoT Sensors Sales by Country (2019-2024) & (K Units)

Table 50. Europe IoT Sensors Sales Market Share by Country (2019-2024)

Table 51. Europe IoT Sensors Revenue by Country (2019-2024) & (\$ Millions)

Table 52. Europe IoT Sensors Revenue Market Share by Country (2019-2024)

Table 53. Europe IoT Sensors Sales by Type (2019-2024) & (K Units)

Table 54. Europe IoT Sensors Sales by Application (2019-2024) & (K Units)

Table 55. Middle East & Africa IoT Sensors Sales by Country (2019-2024) & (K Units)

Table 56. Middle East & Africa IoT Sensors Sales Market Share by Country
(2019-2024)

Table 57. Middle East & Africa IoT Sensors Revenue by Country (2019-2024) & (\$
Millions)

Table 58. Middle East & Africa IoT Sensors Revenue Market Share by Country
(2019-2024)

Table 59. Middle East & Africa IoT Sensors Sales by Type (2019-2024) & (K Units)

Table 60. Middle East & Africa IoT Sensors Sales by Application (2019-2024) & (K
Units)

Table 61. Key Market Drivers & Growth Opportunities of IoT Sensors

Table 62. Key Market Challenges & Risks of IoT Sensors

Table 63. Key Industry Trends of IoT Sensors

Table 64. IoT Sensors Raw Material

Table 65. Key Suppliers of Raw Materials

Table 66. IoT Sensors Distributors List

Table 67. IoT Sensors Customer List

Table 68. Global IoT Sensors Sales Forecast by Region (2025-2030) & (K Units)

Table 69. Global IoT Sensors Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Americas IoT Sensors Sales Forecast by Country (2025-2030) & (K Units)

Table 71. Americas IoT Sensors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. APAC IoT Sensors Sales Forecast by Region (2025-2030) & (K Units)

Table 73. APAC IoT Sensors Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 74. Europe IoT Sensors Sales Forecast by Country (2025-2030) & (K Units)

Table 75. Europe IoT Sensors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 76. Middle East & Africa IoT Sensors Sales Forecast by Country (2025-2030) & (K Units)

Table 77. Middle East & Africa IoT Sensors Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 78. Global IoT Sensors Sales Forecast by Type (2025-2030) & (K Units)

Table 79. Global IoT Sensors Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 80. Global IoT Sensors Sales Forecast by Application (2025-2030) & (K Units)

Table 81. Global IoT Sensors Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 82. Bosch Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 83. Bosch IoT Sensors Product Portfolios and Specifications

Table 84. Bosch IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 85. Bosch Main Business

Table 86. Bosch Latest Developments

Table 87. Honeywell Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 88. Honeywell IoT Sensors Product Portfolios and Specifications

Table 89. Honeywell IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 90. Honeywell Main Business

Table 91. Honeywell Latest Developments

Table 92. NXP Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 93. NXP IoT Sensors Product Portfolios and Specifications

Table 94. NXP IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 95. NXP Main Business

Table 96. NXP Latest Developments

Table 97. Infineon Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 98. Infineon IoT Sensors Product Portfolios and Specifications

Table 99. Infineon IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 100. Infineon Main Business

Table 101. Infineon Latest Developments

Table 102. Analog Devices Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 103. Analog Devices IoT Sensors Product Portfolios and Specifications

Table 104. Analog Devices IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 105. Analog Devices Main Business

Table 106. Analog Devices Latest Developments

Table 107. Panasonic Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 108. Panasonic IoT Sensors Product Portfolios and Specifications

Table 109. Panasonic IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 110. Panasonic Main Business

Table 111. Panasonic Latest Developments

Table 112. InvenSense Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 113. InvenSense IoT Sensors Product Portfolios and Specifications

Table 114. InvenSense IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 115. InvenSense Main Business

Table 116. InvenSense Latest Developments

Table 117. TI Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 118. TI IoT Sensors Product Portfolios and Specifications

Table 119. TI IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 120. TI Main Business

Table 121. TI Latest Developments

Table 122. Silicon Laboratories Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 123. Silicon Laboratories IoT Sensors Product Portfolios and Specifications

Table 124. Silicon Laboratories IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 125. Silicon Laboratories Main Business
Table 126. Silicon Laboratories Latest Developments
Table 127. ABB Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors
Table 128. ABB IoT Sensors Product Portfolios and Specifications
Table 129. ABB IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 130. ABB Main Business
Table 131. ABB Latest Developments
Table 132. STMicroelectronics Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors
Table 133. STMicroelectronics IoT Sensors Product Portfolios and Specifications
Table 134. STMicroelectronics IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 135. STMicroelectronics Main Business
Table 136. STMicroelectronics Latest Developments
Table 137. TE Connectivity Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors
Table 138. TE Connectivity IoT Sensors Product Portfolios and Specifications
Table 139. TE Connectivity IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 140. TE Connectivity Main Business
Table 141. TE Connectivity Latest Developments
Table 142. Huagong Tech Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors
Table 143. Huagong Tech IoT Sensors Product Portfolios and Specifications
Table 144. Huagong Tech IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 145. Huagong Tech Main Business
Table 146. Huagong Tech Latest Developments
Table 147. Sensirion Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors
Table 148. Sensirion IoT Sensors Product Portfolios and Specifications
Table 149. Sensirion IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 150. Sensirion Main Business
Table 151. Sensirion Latest Developments

Table 152. Zhonghang Electronic Measuring Instruments Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 153. Zhonghang Electronic Measuring Instruments IoT Sensors Product Portfolios and Specifications

Table 154. Zhonghang Electronic Measuring Instruments IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 155. Zhonghang Electronic Measuring Instruments Main Business

Table 156. Zhonghang Electronic Measuring Instruments Latest Developments

Table 157. Vishay Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 158. Vishay IoT Sensors Product Portfolios and Specifications

Table 159. Vishay IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 160. Vishay Main Business

Table 161. Vishay Latest Developments

Table 162. Hanwei Electronics Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 163. Hanwei Electronics IoT Sensors Product Portfolios and Specifications

Table 164. Hanwei Electronics IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 165. Hanwei Electronics Main Business

Table 166. Hanwei Electronics Latest Developments

Table 167. Semtech Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 168. Semtech IoT Sensors Product Portfolios and Specifications

Table 169. Semtech IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 170. Semtech Main Business

Table 171. Semtech Latest Developments

Table 172. Omron Basic Information, IoT Sensors Manufacturing Base, Sales Area and Its Competitors

Table 173. Omron IoT Sensors Product Portfolios and Specifications

Table 174. Omron IoT Sensors Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 175. Omron Main Business

Table 176. Omron Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of IoT Sensors
- Figure 2. IoT Sensors Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global IoT Sensors Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global IoT Sensors Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. IoT Sensors Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Pressure Sensor
- Figure 10. Product Picture of Environmental Sensor
- Figure 11. Product Picture of Optical Sensor
- Figure 12. Product Picture of Chemical Sensor
- Figure 13. Product Picture of Motion Sensor
- Figure 14. Product Picture of Others
- Figure 15. Global IoT Sensors Sales Market Share by Type in 2023
- Figure 16. Global IoT Sensors Revenue Market Share by Type (2019-2024)
- Figure 17. IoT Sensors Consumed in Smart City
- Figure 18. Global IoT Sensors Market: Smart City (2019-2024) & (K Units)
- Figure 19. IoT Sensors Consumed in Connected Industry
- Figure 20. Global IoT Sensors Market: Connected Industry (2019-2024) & (K Units)
- Figure 21. IoT Sensors Consumed in Connected Building
- Figure 22. Global IoT Sensors Market: Connected Building (2019-2024) & (K Units)
- Figure 23. IoT Sensors Consumed in Connected Car
- Figure 24. Global IoT Sensors Market: Connected Car (2019-2024) & (K Units)
- Figure 25. IoT Sensors Consumed in Smart Energy
- Figure 26. Global IoT Sensors Market: Smart Energy (2019-2024) & (K Units)
- Figure 27. IoT Sensors Consumed in Connected Health
- Figure 28. Global IoT Sensors Market: Connected Health (2019-2024) & (K Units)
- Figure 29. IoT Sensors Consumed in Smart Agriculture
- Figure 30. Global IoT Sensors Market: Smart Agriculture (2019-2024) & (K Units)
- Figure 31. IoT Sensors Consumed in Others
- Figure 32. Global IoT Sensors Market: Others (2019-2024) & (K Units)
- Figure 33. Global IoT Sensors Sales Market Share by Application (2023)
- Figure 34. Global IoT Sensors Revenue Market Share by Application in 2023
- Figure 35. IoT Sensors Sales Market by Company in 2023 (K Units)

- Figure 36. Global IoT Sensors Sales Market Share by Company in 2023
- Figure 37. IoT Sensors Revenue Market by Company in 2023 (\$ Million)
- Figure 38. Global IoT Sensors Revenue Market Share by Company in 2023
- Figure 39. Global IoT Sensors Sales Market Share by Geographic Region (2019-2024)
- Figure 40. Global IoT Sensors Revenue Market Share by Geographic Region in 2023
- Figure 41. Americas IoT Sensors Sales 2019-2024 (K Units)
- Figure 42. Americas IoT Sensors Revenue 2019-2024 (\$ Millions)
- Figure 43. APAC IoT Sensors Sales 2019-2024 (K Units)
- Figure 44. APAC IoT Sensors Revenue 2019-2024 (\$ Millions)
- Figure 45. Europe IoT Sensors Sales 2019-2024 (K Units)
- Figure 46. Europe IoT Sensors Revenue 2019-2024 (\$ Millions)
- Figure 47. Middle East & Africa IoT Sensors Sales 2019-2024 (K Units)
- Figure 48. Middle East & Africa IoT Sensors Revenue 2019-2024 (\$ Millions)
- Figure 49. Americas IoT Sensors Sales Market Share by Country in 2023
- Figure 50. Americas IoT Sensors Revenue Market Share by Country in 2023
- Figure 51. Americas IoT Sensors Sales Market Share by Type (2019-2024)
- Figure 52. Americas IoT Sensors Sales Market Share by Application (2019-2024)
- Figure 53. United States IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 54. Canada IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 55. Mexico IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 56. Brazil IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 57. APAC IoT Sensors Sales Market Share by Region in 2023
- Figure 58. APAC IoT Sensors Revenue Market Share by Regions in 2023
- Figure 59. APAC IoT Sensors Sales Market Share by Type (2019-2024)
- Figure 60. APAC IoT Sensors Sales Market Share by Application (2019-2024)
- Figure 61. China IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 62. Japan IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 63. South Korea IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 64. Southeast Asia IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 65. India IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 66. Australia IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 67. China Taiwan IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 68. Europe IoT Sensors Sales Market Share by Country in 2023
- Figure 69. Europe IoT Sensors Revenue Market Share by Country in 2023
- Figure 70. Europe IoT Sensors Sales Market Share by Type (2019-2024)
- Figure 71. Europe IoT Sensors Sales Market Share by Application (2019-2024)
- Figure 72. Germany IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 73. France IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 74. UK IoT Sensors Revenue Growth 2019-2024 (\$ Millions)

- Figure 75. Italy IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 76. Russia IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 77. Middle East & Africa IoT Sensors Sales Market Share by Country in 2023
- Figure 78. Middle East & Africa IoT Sensors Revenue Market Share by Country in 2023
- Figure 79. Middle East & Africa IoT Sensors Sales Market Share by Type (2019-2024)
- Figure 80. Middle East & Africa IoT Sensors Sales Market Share by Application (2019-2024)
- Figure 81. Egypt IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 82. South Africa IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 83. Israel IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 84. Turkey IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 85. GCC Country IoT Sensors Revenue Growth 2019-2024 (\$ Millions)
- Figure 86. Manufacturing Cost Structure Analysis of IoT Sensors in 2023
- Figure 87. Manufacturing Process Analysis of IoT Sensors
- Figure 88. Industry Chain Structure of IoT Sensors
- Figure 89. Channels of Distribution
- Figure 90. Global IoT Sensors Sales Market Forecast by Region (2025-2030)
- Figure 91. Global IoT Sensors Revenue Market Share Forecast by Region (2025-2030)
- Figure 92. Global IoT Sensors Sales Market Share Forecast by Type (2025-2030)
- Figure 93. Global IoT Sensors Revenue Market Share Forecast by Type (2025-2030)
- Figure 94. Global IoT Sensors Sales Market Share Forecast by Application (2025-2030)
- Figure 95. Global IoT Sensors Revenue Market Share Forecast by Application (2025-2030)

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