

# Global IoT sensors Market

<https://marketpublishers.com/r/GF6EDA96B6BEN.html>

Date: January 2019

Pages: 490

Price: US\$ 4,200.00 (Single User License)

ID: GF6EDA96B6BEN

## Abstracts

Global IoT sensor market is expected to reach a CAGR of 36.3% in the forecast period of 2019 to 2026. The new market report contains data for historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

### Market Segmentation:

By Sensor Type [Pressure Sensors, Temperature Sensors, Humidity Sensors, Flow Sensors, Accelerometers, Gyroscopes, Proximity Sensors, Touch Sensors, Acoustic Sensors, Motion Sensors, Magnetometers, Image Sensors, Inertial Sensors, Occupancy Sensors (Image Processing Occupancy Sensors, Intelligent Occupancy Sensors), Light Sensors & RADAR Sensors and CO2 Sensors], Technology [Wired (Modbus, Ethernet, Lonworks, KNX, Digital Addressable Lighting Interface (DALI) and Wireless (Wi-Fi, Bluetooth, RFID, ZigBee, NFC, 6lowpan, Wireless-Hart (Whart), Z-Wave, Process Field Bus (Profibus), Dect-Ule, Thread, EnOcean and Others], Vertical [Industrial (Industrial Automation, Healthcare, Transportation, Smart Agriculture, Energy), Commercial (Retail, Aerospace & Defence, Logistics & Supply Chain, Corporate Offices, Financial Institutes and Entertainment), and Consumer (Wearable Electronics, Home Automation and Smart City)], Geography (North America, Europe, Asia-Pacific, Europe, South America, Middle East and Africa).

Major growing sectors under the market segmentation are as follows:

On the basis of sensor type, the market is segmented into temperature sensors, pressure sensors, humidity sensors, flow sensors, accelerometers, magnetometers, gyroscopes, inertial sensors, image sensors, touch sensors, proximity sensors, acoustic sensors, motion sensors, occupancy sensors, CO2 sensors and light sensors and radar sensors

On the basis of technology, the market is segmented into wireless and wired

On the basis of vertical, the market is segmented into consumer, commercial and industrial

#### Key Market Players:

The Key Market Players for global IoT sensor market are listed below:

Sierra Wireless, Inc.

Moxa Inc.

GENERAL ELECTRIC

Skyworks Solution Inc.

Infineon Technologies AG

Honeywell International Inc.

Texas Instruments Incorporated

Siemens Healthcare GmbH

CANON MEDICAL SYSTEMS CORPORATION

NXP Semiconductors

STMicroelectronics

IBM

Sensata Technologies, Inc

Robert Bosch GmbH

TE Connectivity

Qualcomm Technologies, Inc.

## Contents

### **1 INTRODUCTION**

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 OVERVIEW OF GLOBAL IOT SENSORS MARKET
- 1.4 CURRENCY AND PRICING
- 1.5 LIMITATION
- 1.6 MARKETS COVERED

### **2 MARKET SEGMENTATION**

- 2.1 MARKETS COVERED
- 2.2 GEOGRAPHIC SCOPE
- 2.3 YEARS CONSIDERED FOR THE STUDY
- 2.4 CURRENCY AND PRICING
- 2.5 RESEARCH METHODOLOGY
- 2.6 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS
- 2.7 DBMR MARKET POSITION GRID
- 2.8 DBMR MARKET CHALLENGE MATRIX

### **3 MARKET OVERVIEW**

- 3.1 DRIVERS
  - 3.1.1 RAPID GROWTH OF TECHNOLOGICAL ADVANCEMENTS
  - 3.1.2 INCREASING DEMAND OF TEMPERATURE SENSORS IN INDUSTRIAL AND WEARABLES
  - 3.1.3 INCREASING USAGE OF INTERNET IN DEVELOPING NATIONS
  - 3.1.4 RAPID DEVELOPMENT OF CONNECTED VEHICLES
- 3.2 RESTRAINT
  - 3.2.1 GROWING CONCERN ABOUT DATA SECURITY
- 3.3 OPPORTUNITIES
  - 3.3.1 GOVERNMENT INITIATIVES TOWARDS IOT APPLICATIONS
  - 3.3.2 INCREASING ADOPTION OF IOT BY SMALL AND MEDIUM-SIZED ORGANIZATIONS
- 3.4 CHALLENGES
  - 3.4.1 LACK OF ATTENUATION AND BANDWIDTH
  - 3.4.2 HIGH POWER CONSUMPTION BY CONNECTED DEVICES

## **4 EXECUTIVE SUMMARY**

## **5 PREMIUM INSIGHTS**

### **5.1 MULTIVARIATE MODELLING**

## **6 KEY INSIGHTS**

## **7 GLOBAL IOT SENSORS MARKET, BY SENSORS TYPE**

### **7.1 OVERVIEW**

#### **7.2 PRESSURE SENSORS**

#### **7.3 TEMPERATURE SENSORS**

#### **7.4 HUMIDITY SENSORS**

#### **7.5 FLOW SENSORS**

#### **7.6 ACCELEROMETERS**

#### **7.7 GYROSCOPES**

#### **7.8 PROXIMITY SENSORS**

#### **7.9 TOUCH SENSORS**

#### **7.10 ACOUSTIC SENSORS**

#### **7.11 MOTION SENSORS**

#### **7.12 MAGNETOMETERS**

#### **7.13 IMAGE SENSORS**

#### **7.14 INERTIAL SENSORS**

#### **7.15 OCCUPANCY SENSORS**

#### **7.16 LIGHT SENSORS AND RADAR SENSORS**

#### **7.17 CO2 SENSORS**

## **8 GLOBAL IOT SENSORS MARKET, BY VERTICAL**

### **8.1 OVERVIEW**

#### **8.2 INDUSTRIAL**

##### **8.2.1 INDUSTRIAL AUTOMATION**

##### **8.2.2 HEALTHCARE**

##### **8.2.3 TRANSPORTATION**

##### **8.2.4 SMART AGRICULTURE**

##### **8.2.5 ENERGY**

#### **8.3 COMMERCIAL**

#### 8.3.1 RETAIL

#### 8.3.2 AEROSPACE AND DEFENSE

#### 8.3.3 LOGISTICS & SUPPLY CHAIN

#### 8.3.4 CORPORATES OFFICES

#### 8.3.5 FINANCIAL INSTITUTES

#### 8.3.6 ENTERTAINMENT

### 8.4 CONSUMER

#### 8.4.1 WEARABLE ELECTRONICS

#### 8.4.2 HOME AUTOMATION

#### 8.4.3 SMART CITY

## 9 GLOBAL IOT SENSORS MARKET, BY TECHNOLOGY

### 9.1 OVERVIEW

### 9.2 WIRED

#### 9.2.1 MODBUS

#### 9.2.2 ETHERNET

#### 9.2.3 LONWORKS

#### 9.2.4 KNX

#### 9.2.5 DIGITAL ADDRESSABLE LIGHTING INTERFACE (DALI)

### 9.3 WIRELESS

#### 9.3.1 WI-FI

#### 9.3.2 BLUETOOTH

#### 9.3.3 RFID

#### 9.3.4 ZIGBEE

#### 9.3.5 NFC

#### 9.3.6 6LOWPAN

#### 9.3.7 WIRELESS-HART (WHART)

#### 9.3.8 Z-WAVE

#### 9.3.9 PROCESS FIELD BUS

#### 9.3.10 DECT ULE

#### 9.3.11 THREAD

#### 9.3.12 ENOCEAN

#### 9.3.13 OTHERS

## 10 GLOBAL IOT SENSORS MARKET, BY GEOGRAPHY

### 10.1 GLOBAL

#### 10.1.1 OVERVIEW

## 10.2 NORTH AMERICA

### 10.2.1 U.S.

### 10.2.2 CANADA

### 10.2.3 MEXICO

## 10.3 EUROPE

### 10.3.1 GERMANY

### 10.3.2 U.K.

### 10.3.3 FRANCE

### 10.3.4 ITALY

### 10.3.5 SPAIN

### 10.3.6 NETHERLANDS

### 10.3.7 BELGIUM

### 10.3.8 SWITZERLAND

### 10.3.9 TURKEY

### 10.3.10 RUSSIA

### 10.3.11 REST OF EUROPE

## 10.4 ASIA PACIFIC

### 10.4.1 CHINA

### 10.4.2 JAPAN

### 10.4.3 SOUTH KOREA

### 10.4.4 INDIA

### 10.4.5 AUSTRALIA

### 10.4.6 MALAYSIA

### 10.4.7 THAILAND

### 10.4.8 SINGAPORE

### 10.4.9 INDONESIA

### 10.4.10 PHILIPPINES

### 10.4.11 REST OF ASIA PACIFIC

## 10.5 SOUTH AMERICA

### 10.5.1 BRAZIL

### 10.5.2 REST OF SOUTH AMERICA

## 10.6 MIDDLE EAST AND AFRICA

### 10.6.1 SOUTH AFRICA

### 10.6.2 REST OF MIDDLE EAST AND AFRICA

## 11 GLOBAL IOT SENSORS MARKET, COMPANY LANDSCAPE

### 11.1 COMPANY SHARE ANALYSIS: GLOBAL

### 11.2 COMPANY SHARE ANALYSIS: NORTH AMERICA

11.3 COMPANY SHARE ANALYSIS: EUROPE

11.4 COMPANY SHARE ANALYSIS: ASIA PACIFIC

## **12 COMPANY PROFILES**

12.1 INFINEON TECHNOLOGIES AG

12.1.1 COMPANY SNAPSHOT

12.1.2 1.2 SWOT ANALYSIS

12.1.3 REVENUE ANALYSIS

12.1.4 GEOGRAPHICAL PRESENCE

12.1.5 PRODUCT PORTFOLIO

12.1.6 RECENT DEVELOPMENTS

12.1.7 DATA BRIDGE MARKET RESEARCH ANALYSIS

12.2 TEXAS INSTRUMENTS INCORPORATED

12.2.1 COMPANY SNAPSHOT

12.2.2 SWOT ANALYSIS

12.2.3 REVENUE ANALYSIS

12.2.4 GEOGRAPHICAL PRESENCE

12.2.5 PRODUCT PORTFOLIO

12.2.6 RECENT DEVELOPMENTS

12.2.7 DATA BRIDGE MARKET RESEARCH ANALYSIS

12.3 STMICROELECTRONICS

12.3.1 COMPANY SNAPSHOT

12.3.2 SWOT ANALYSIS

12.3.3 REVENUE ANALYSIS

12.3.4 GEOGRAPHICAL PRESENCE

12.3.5 PRODUCT PORTFOLIO

12.3.6 RECENT DEVELOPMENTS

12.3.7 DATA BRIDGE MARKET RESEARCH ANALYSIS

12.4 SIEMENS CORPORATION

12.4.1 COMPANY SNAPSHOT

12.4.2 SWOT ANALYSIS

12.4.3 REVENUE ANALYSIS

12.4.4 GEOGRAPHICAL PRESENCE

12.4.5 PRODUCT PORTFOLIO

12.4.6 RECENT DEVELOPMENTS

12.4.7 DATA BRIDGE MARKET RESEARCH ANALYSIS

12.5 ROBERT BOSCH GMBH

12.5.1 COMPANY SNAPSHOT



- 12.5.2 SWOT ANALYSIS
- 12.5.3 REVENUE ANALYSIS
- 12.5.4 GEOGRAPHICAL PRESENCE
- 12.5.5 PRODUCT PORTFOLIO
- 12.5.6 RECENT DEVELOPMENTS
- 12.5.7 DATA BRIDGE MARKET RESEARCH ANALYSIS
- 12.6 SIERRA WIRELESS, INC.
  - 12.6.1 COMPANY SNAPSHOT
  - 12.6.2 REVENUE ANALYSIS
  - 12.6.3 GEOGRAPHIC AL PRESENCE
  - 12.6.4 PRODUCT PORTFOLIO
  - 12.6.5 RECENT DEVELOPMENTS
- 12.7 MOXA INC.
  - 12.7.1 COMPANY SNAPSHOT
  - 12.7.2 PRODUCT PORTFOLIO
  - 12.7.3 RECENT DEVELOPMENTS
- 12.8 GENERAL ELECTRIC COMPANY
  - 12.8.1 COMPANY SNAPSHOT
  - 12.8.2 REVENUE ANALYSIS
  - 12.8.3 GEOGRAPHICAL PRESENCE
  - 12.8.4 PRODUCT PORTFOLIO
  - 12.8.5 RECENT DEVELOPMENTS
- 12.9 SKYWORKS SOLUTIONS, INC.
  - 12.9.1 COMPANY SNAPSHOT
  - 12.9.2 REVENUE ANALYSIS
  - 12.9.3 GEOGRAPHICAL PRESENCE
  - 12.9.4 PRODUCT PORTFOLIO
  - 12.9.5 RECENT DEVELOPMENTS
- 12.10 HONEYWELL INTERNATIONAL INC.
  - 12.10.1 COMPANY SNAPSHOT
  - 12.10.2 REVENUE ANALYSIS
  - 12.10.3 GEOGRAPHICAL PRESENCE
  - 12.10.4 PRODUCT PORTFOLIO
  - 12.10.5 RECENT DEVELOPMENTS
- 12.11 CANON INC
  - 12.11.1 COMPANY SNAPSHOT
  - 12.11.2 REVENUE ANALYSIS
  - 12.11.3 GEOGRAPHICAL PRESENCE
  - 12.11.4 PRODUCT PORTFOLIO

- 12.11.5 RECENT DEVELOPMENT
- 12.12 NXP SEMICONDUCTOR
  - 12.12.1 REVENUE ANALYSIS
  - 12.12.2 GEOGRAPHICAL PRESENCE
  - 12.12.3 PRODUCT PORTFOLIO
  - 12.12.4 RECENT DEVELOPMENTS
- 12.13 SENSATA TECHNOLOGIES, INC.
  - 12.13.1 COMPANY SNAPSHOT
  - 12.13.2 REVENUE ANALYSIS
  - 12.13.3 GEOGRAPHICAL PRESENCE
  - 12.13.4 PRODUCT PORTFOLIO
  - 12.13.5 RECENT DEVELOPMENTS
- 12.14 TE CONNECTIVITY
  - 12.14.1 COMPANY SNAPSHOT
  - 12.14.2 REVENUE ANALYSIS
  - 12.14.3 GEOGRAPHICAL PRESENCE
  - 12.14.4 PRODUCT PORTFOLIO
  - 12.14.5 RECENT DEVELOPMENTS
- 12.15 QUALCOMM TECHNOLOGIES, INC.
  - 12.15.1 COMPANY OVERVIEW
  - 12.15.2 COMPANY SNAPSHOT
  - 12.15.3 REVENUE ANALYSIS
  - 12.15.4 GEOGRAPHICAL PRESENCE
  - 12.15.5 PRODUCT PORTFOLIO
  - 12.15.6 4RECENT DEVELOPMENTS
- 12.16 IBM CORPORATION
  - 12.16.1 COMPANY SNAPSHOT
  - 12.16.2 REVENUE ANALYSIS
  - 12.16.3 GEOGRAPHICAL PRESENCE
  - 12.16.4 PRODUCT PORTFOLIO
  - 12.16.5 RECENT DEVELOPMENTS

## **13 QUESTIONNAIRE**

## **14 RELATED REPORTS**

## List Of Figures

### LIST OF FIGURES

Figure 1 GLOBAL IOT SENSORS MARKET: SEGMENTATION

Figure 2 GLOBAL IOT SENSORS MARKET: DATA TRIANGULATION

Figure 3 GLOBAL IOT SENSORS MARKET: RESEARCH SNAPSHOT

Figure 4 GLOBAL IOT SENSORS MARKET: BOTTOM UP APPROACH

Figure 5 GLOBAL IOT SENSORS MARKET: TOP DOWN APPROACH

Figure 6 GLOBAL IOT SENSORS MARKET: INTERVIEW DEMOGRAPHICS

Figure 7 GLOBAL IOT SENSORS MARKET: DBMR MARKET POSITION GRID

Figure 8 GLOBAL IOT SENSORS MARKET : THE MARKET CHALLENGE MATRIX

Figure 9 DRIVERS, RESTRAINTS, OPPORTUNITIES AND CHALLENGES

Figure 10 GLOBAL IOT SENSORS MARKET: SEGMENTATION

Figure 11 NORTH AMERICA IS EXPECTED TO DOMINATE THE GLOBAL IOT SENSORS MARKET AND EXPECTED TO BE GROWING WITH THE HIGHEST CAGR IN THE FORECAST PERIOD FROM 2019 TO 2026

Figure 12 INCREASING DEMAND OF TEMPERATURE SENSORS ACROSS THE GLOBE IS EXPECTED TO DRIVE THE GLOBAL IOT SENSORS MARKET IN THE FORECAST PERIOD OF 2018 TO 2025

Figure 13 WIRELESS SEGMENT IS EXPECTED TO ACCOUNT FOR THE LARGEST SHARE OF THE GLOBAL IOT SENSORS MARKET IN 2019 & 2026

Figure 14 GLOBAL IOT SENSORS MARKET, BY SENSORS TYPE, 2018

Figure 15 GLOBAL IOT SENSORS MARKET: BY VERTICAL, 2018

Figure 16 GLOBAL IOT SENSORS MARKET, BY TECHNOLOGY, 2018

Figure 17 GLOBAL IOT SENSORS MARKET SNAPSHOT (2018)

Figure 18 GLOBAL IOT SENSORS MARKET: BY GEOGRAPHY (2018)

Figure 19 GLOBAL IOT SENSORS MARKET: BY GEOGRAPHY (2019 & 2026)

Figure 20 GLOBAL IOT SENSORS MARKET: BY GEOGRAPHY (2018 & 2026)

Figure 21 GLOBAL IOT SENSORS MARKET: BY TYPE(2019 - 2026)

Figure 22 NORTH AMERICA IOT SENSORS MARKET SNAPSHOT (2018)

Figure 23 NORTH AMERICA IOT SENSORS MARKET: BY COUNTRY (2018)

Figure 24 NORTH AMERICA IOT SENSORS MARKET: BY COUNTRY (2019 & 2026)

Figure 25 NORTH AMERICA IOT SENSORS MARKET: BY COUNTRY (2018 & 2026)

Figure 26 NORTH AMERICA IOT SENSORS MARKET: BY SENSORS TYPE (2019-2026)

Figure 27 EUROPE IOT SENSORS MARKET: SNAPSHOT (2018)

Figure 28 EUROPE IOT SENSORS MARKET: BY COUNTRY (2018)

Figure 29 EUROPE IOT SENSORS MARKET: BY COUNTRY (2019 & 2026)

- Figure 30 EUROPE IOT SENSORS MARKET: BY COUNTRY (2018 & 2026)
- Figure 31 EUROPE IOT SENSORS MARKET: BY SENSORS TYPE (2019-2026)
- Figure 32 ASIA PACIFIC IOT SENSORS MARKET SNAPSHOT (2018)
- Figure 33 ASIA PACIFIC IOT SENSORS MARKET: BY COUNTRY (2018)
- Figure 34 ASIA PACIFIC IOT SENSORS MARKET: BY COUNTRY (2019 & 2026)
- Figure 35 ASIA PACIFIC IOT SENSORS MARKET: BY COUNTRY (2018 & 2026)
- Figure 36 ASIA PACIFIC IOT SENSORS MARKET: BY SENSORS TYPE (2019-2026)
- Figure 37 SOUTH AMERICA IOT SENSORS MARKET SNAPSHOT (2018)
- Figure 38 SOUTH AMERICA IOT SENSORS MARKET: BY COUNTRY (2018)
- Figure 39 SOUTH AMERICA IOT SENSORS MARKET: BY COUNTRY (2019 & 2026)
- Figure 40 SOUTH AMERICA IOT SENSORS MARKET: BY COUNTRY (2018 & 2026)
- Figure 41 SOUTH AMERICA IOT SENSORS MARKET: BY SENSORS TYPE (2019-2026)
- Figure 42 MIDDLE EAST AND AFRICA IOT SENSORS MARKET: SNAPSHOT (2018)
- Figure 43 MIDDLE EAST AND AFRICA IOT SENSORS MARKET: BY COUNTRY (2018)
- Figure 44 MIDDLE EAST AND AFRICA IOT SENSORS MARKET: BY COUNTRY (2019 & 2026)
- Figure 45 MIDDLE EAST AND AFRICA IOT SENSORS MARKET: BY COUNTRY (2018 & 2026)
- Figure 46 MIDDLE EAST AND AFRICA IOT SENSORS MARKET: BY SENSORS TYPE (2019-2026)
- Figure 47 GLOBAL IOT SENSORS MARKET: COMPANY SHARE 2017 (%)
- Figure 48 NORTH AMERICA IOT SENSORS MARKET: COMPANY SHARE 2017(%)
- Figure 49 EUROPE IOT SENSORS MARKET: COMPANY SHARE 2017 (%)
- Figure 50 ASIA-PACIFIC IOT SENSORS MARKET: COMPANY SHARE 2017 (%)

## I would like to order

Product name: Global IoT sensors Market

Product link: <https://marketpublishers.com/r/GF6EDA96B6BEN.html>

Price: US\$ 4,200.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF6EDA96B6BEN.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