

# IoT Sensors Market with COVID-19 impact by Sensor type, Network Technology, Vertical, Application, and Geography (North America, Europe, APAC, RoW) - Global Forecast to 2026

<https://marketpublishers.com/r/I7E6029AC22EN.html>

Date: March 2021

Pages: 296

Price: US\$ 4,950.00 (Single User License)

ID: I7E6029AC22EN

## Abstracts

The IoT sensors market is expected to grow from USD 8.4 billion in 2021 to USD 29.6 million by 2026; it is expected to grow at a CAGR of 28.6% during 2021–2026.

Significant technological developments since the past decade have resulted in a considerable reduction in the size of several types of sensors, such as level, pressure, and image sensors. For instance, the size of pressure sensors has been reduced to 1 mm. Thus, owing to the rapid reduction in the sensor size and high adoption of microelectromechanical systems (MEMS) technology, sensors are finding applications in automotive, healthcare, and consumer products. This has played a major role in the growth of the overall sensors market. During the last 5 years, smaller sensors have rapidly been deployed in devices such as smartphones, drones, wearables, and robots.

“Pressure sensor is likely to be the largest contributor in the IoT sensors market during the forecast period”

The market for pressure sensors is largely driven by increased concerns regarding safety, comfort levels, and reduction in automobile emissions. The regulatory mandates requiring the compulsory installation of onboard diagnostics to reduce greenhouse gas emissions will further lead to growth in demand for pressure sensors. Additionally, the application of pressure sensors in autonomous cars would present several growth opportunities to players operating in the pressure sensor market.

“Wireless network technology to account for the largest market size in 2020”

The growing demand for wireless data from mobile devices, connected cars, and smart grids, among others, is creating the need for a more robust internet connection. Further, the proliferation of mobile devices and the rapidly increasing adoption of the bring-your-own-device (BYOD) concept as well as IoT within enterprises is expected to drive the growth of the market for wireless network technology. The upcoming 5G mobile technology is expected to provide much faster internet connectivity and coverage, which would also boost the market for wireless network technology.

“The IoT sensors market in APAC to grow at the highest CAGR during the forecast period”

The market in APAC is expected to register the highest CAGR amongst all regions during the forecast period. The market in this region has been studied for India, China, Japan, South Korea, Australia, and the Rest of APAC. APAC is a key market for consumer devices and appliances, automobiles, and healthcare products. This region has become a global focal point for large investments and business expansions.

In-depth interviews have been conducted with C-level executives, managers, and other executives from various key organizations operating in the IoT sensors market.

Break-up of profiles of primary participants for the report is given below:

By Company Type: Tier 1 – 40%, Tier 2 – 30%, and Tier 3 – 30%

By Designation: C-Level Executives – 40%, Directors – 40%, and Managers – 20%

By Region: North America - 40%, Europe – 20%, APAC – 30%, and RoW – 10%

Major players in the IoT sensors market are as follows:

Texas Instrument (US)

TE Connectivity(Switzerland)

Broadcom(US)

NXP Semiconductors(Netherlands)

STMicroelectronics (Switzerland)

Bosch Sensortec (Germany)

TDK (Invensense)(Japna)

Infineon Technologies(Germany)

Analog Devices(US)

Omron(Japan)

#### Research Coverage:

The report defines, describes, and forecasts the IoT sensors market based on sensor type, network technology, vertical, and geography. It also analyzes competitive developments such as product launches and developments, agreements, partnerships, collaborations, merger and acquisitions, and expansions carried out by key players to grow in the market.

#### Key Benefits of Buying the Report

1. This report segments the IoT sensors market comprehensively and provides the closest approximations of the overall market size and that of the subsegments across different applications and regions.
2. The report would help stakeholders understand the pulse of the market and provide them with information on key drivers, restraints, challenges, and opportunities.
3. This report would help stakeholders understand their competitors better and gain more insights to enhance their position in the market. The competitive landscape section includes competitor ecosystem, product launches and developments, partnerships, and mergers and acquisitions carried out in the market in the recent past

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 DEFINITION

##### 1.2.1 INCLUSIONS AND EXCLUSIONS

#### 1.3 STUDY SCOPE

##### 1.3.1 MARKETS COVERED

#### FIGURE 1 MARKET SEGMENTATION

##### 1.3.2 GEOGRAPHIC SCOPE

##### 1.3.3 YEARS CONSIDERED

#### 1.4 CURRENCY

#### 1.5 LIMITATIONS

#### 1.6 STAKEHOLDERS

#### 1.7 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 2 IOT SENSORS MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY AND PRIMARY RESEARCH

###### 2.1.1.1 Key industry insights

##### 2.1.2 SECONDARY DATA

###### 2.1.2.1 List of key secondary sources

###### 2.1.2.2 Key data from secondary sources

##### 2.1.3 PRIMARY DATA

###### 2.1.3.1 Breakdown of primaries

###### 2.1.3.2 Key data from primary sources

#### 2.2 MARKET SIZE ESTIMATION

##### 2.2.1 BOTTOM-UP APPROACH

###### 2.2.1.1 Approach for obtaining market size using bottom-up analysis (demand side)

#### FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

#### FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1—BOTTOM-UP (DEMAND SIDE) – DEMAND FOR DIFFERENT TYPES OF IOT SENSORS

##### 2.2.2 TOP-DOWN APPROACH

###### 2.2.2.1 Approach for obtaining market size using top-down analysis (supply side)

#### FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

#### FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2 (SUPPLY

SIDE)—REVENUES GENERATED FROM SALES OF IOT SENSOR-RELATED PRODUCTS

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS AND LIMITATIONS

2.4.1 ASSUMPTIONS

2.4.2 LIMITATIONS

### **3 EXECUTIVE SUMMARY**

FIGURE 8 PRE- AND POST-COVID-19 IMPACT ANALYSIS FOR IOT SENSORS MARKET

TABLE 1 PRE- AND POST-COVID-19 IMPACT ANALYSIS FOR IOT SENSORS MARKET, 2017–2026 (USD MILLION)

FIGURE 9 IOT SENSORS MARKET SIZE, 2021–2026 (USD MILLION AND MILLION UNITS)

FIGURE 10 INDUSTRIAL IOT SEGMENT TO HOLD LARGEST SHARE OF IOT SENSORS MARKET IN 2026

FIGURE 11 PRESSURE SENSOR SEGMENT TO ACCOUNT FOR LARGEST SIZE OF IOT SENSORS MARKET FROM 2021 TO 2026

FIGURE 12 WIRELESS NETWORK TECHNOLOGY SEGMENT TO LEAD IOT SENSORS MARKET FROM 2021 TO 2026

FIGURE 13 NORTH AMERICA TO ACCOUNT FOR LARGEST SHARE OF IOT SENSORS MARKET IN 2020

### **4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE OPPORTUNITIES IN IOT SENSORS MARKET

FIGURE 14 IOT SENSORS MARKET TO GROW AT SIGNIFICANT RATE FROM 2021 TO 2026

4.2 IOT SENSORS MARKET, BY SENSOR TYPE

FIGURE 15 PRESSURE SENSOR SEGMENT TO HOLD LARGEST SIZE OF IOT SENSORS MARKET FROM 2021 TO 2026

4.3 IOT SENSORS MARKET, BY NETWORK TECHNOLOGY

FIGURE 16 WIRELESS SEGMENT TO LEAD IOT SENSORS MARKET FROM 2021 TO 2026

4.4 IOT SENSORS MARKET, BY VERTICAL

FIGURE 17 INDUSTRIAL IOT SEGMENT TO ACCOUNT FOR LARGEST SHARE OF IOT SENSORS MARKET IN 2026

#### 4.5 IOT SENSORS MARKET IN NORTH AMERICA, BY COUNTRY AND SENSOR TYPE

FIGURE 18 PRESSURE SENSOR SEGMENT AND US HELD LARGEST SHARES OF IOT SENSORS MARKET IN NORTH AMERICA IN 2020

#### 4.6 IOT SENSORS MARKET, BY REGION

FIGURE 19 NORTH AMERICA HELD LARGEST SHARE OF IOT SENSORS MARKET IN 2020

### 5 MARKET OVERVIEW

#### 5.1 INTRODUCTION

#### 5.2 MARKET DYNAMICS

FIGURE 20 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: IOT SENSORS MARKET

##### 5.2.1 DRIVERS

FIGURE 21 DRIVERS FOR IOT SENSORS MARKET AND THEIR IMPACT

5.2.1.1 Increased use of sensors in IoT applications due to cost and size reduction, and technological advancements

5.2.1.2 Introduction of 3GPP Release 13 and Release 14 specifications

5.2.1.3 Growth in Internet penetration rate

FIGURE 22 INTERNET USERS TILL SEPTEMBER 2020, BY REGION

FIGURE 23 INTERNET PENETRATION RATE TILL SEPTEMBER 2020, BY REGION

5.2.1.4 High demand for connected and wearables devices

5.2.1.5 Introduction of IPv6 creating large address space

FIGURE 24 WORLDWIDE ADOPTION OF IPV6 (2020)

5.2.1.6 Importance of real-time computing for IoT applications

##### 5.2.2 RESTRAINTS

FIGURE 25 RESTRAINTS FOR IOT SENSORS MARKET AND THEIR IMPACT

5.2.2.1 Data security concerns

##### 5.2.3 OPPORTUNITIES

FIGURE 26 OPPORTUNITIES FOR IOT SENSORS MARKET AND THEIR IMPACT

5.2.3.1 Supportive government initiatives and funds for IoT projects

TABLE 2 GOVERNMENT FUNDING PLANS FOR INTERNET OF THINGS

5.2.3.2 Benefits of implementation of predictive maintenance programs for IoT applications

5.2.3.3 Emergence of requirements of cross-domain collaborations

5.2.3.4 High adoption of IoT by small- and medium-sized businesses

##### 5.2.4 CHALLENGES

FIGURE 27 CHALLENGES FOR IOT SENSORS MARKET AND THEIR IMPACT

5.2.4.1 Social distancing and supply chain disruptions due to COVID-19 restricted growth of market in first half of 2020

5.2.4.2 Lack of common protocols and communication standards

5.2.4.3 Shortage of technical know-how for using IoT devices

5.2.4.4 High power consumption by connected devices

5.2.4.5 High latency and limited bandwidth issues

### 5.3 TARIFFS AND REGULATIONS

TABLE 3 MFN TARIFFS FOR GAS OR SMOKE ANALYSIS APPARATUS EXPORTED BY US

TABLE 4 MFN TARIFFS FOR GAS OR SMOKE ANALYSIS APPARATUS IMPORTS BY CHINA

5.3.1 NEGATIVE IMPACT OF TARIFFS ON IOT SENSOR MARKET

5.3.2 POSITIVE IMPACT OF TARIFFS ON IOT SENSOR MARKET

5.3.3 REGULATIONS RELATED TO SENSORS

### 5.4 AVERAGE SELLING PRICE ANALYSIS

FIGURE 28 AVERAGE SELLING PRICE OF IOT SENSORS, 2017–2019

FIGURE 29 AVERAGE SELLING PRICE OF IOT SENSORS, BY SENSOR TYPE, 2018 AND 2019 (USD MILLION)

### 5.5 CASE STUDIES

5.5.1 MONITORING HVAC SYSTEMS

5.5.2 CONTROLLING WATER QUALITY IN FISH FARMS

5.5.3 MONITORING WATER QUALITY PARAMETERS IN IRRIGATION DAM

5.5.4 USING HUMAN CONDITION SAFETY SENSORS TO MINIMIZE JOB SITE RISKS

5.5.5 MANAGING COWS AND HERDS

5.5.6 CARRYING OUT SMART CONSTRUCTION USING IOT SENSORS

5.5.7 MONITORING TEMPERATURE AND HUMIDITY IN DATA CENTERS

### 5.6 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 IOT SENSORS MARKET: PORTER'S FIVE FORCES ANALYSIS (2020)

5.6.1 THREAT OF NEW ENTRANTS

5.6.2 THREAT OF SUBSTITUTES

5.6.3 BARGAINING POWER OF SUPPLIERS

5.6.4 BARGAINING POWER OF BUYERS

5.6.5 INTENSITY OF COMPETITIVE RIVALRY

## 6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS



**FIGURE 30 VALUE CHAIN ANALYSIS: IOT SENSORS MARKET****6.2.1 CORE INDUSTRY SEGMENTS**

- 6.2.1.1 Chip designers
- 6.2.1.2 Component manufacturers
- 6.2.1.3 Technology providers
- 6.2.1.4 Integrators
- 6.2.1.5 End-use applications

**6.3 KEY INDUSTRY TRENDS IN IOT SENSORS MARKET****FIGURE 31 INNOVATIVE PRODUCT OFFERINGS BY KEY PLAYERS****6.4 PATENT ANALYSIS****TABLE 6 IMPORTANT INNOVATIONS AND PATENTS REGISTRATION****6.5 ECOSYSTEM/MARKET MAP****FIGURE 32 IOT SENSORS ECOSYSTEM****TABLE 7 SUPPLY CHAIN****6.6 TECHNOLOGY ANALYSIS****6.6.1 KEY TECHNOLOGIES**

- 6.6.1.1 5G
- 6.6.1.2 Low-power wide area networks (LPWAN)

**6.6.2 COMPLEMENTARY TECHNOLOGIES**

- 6.6.2.1 Quantum dot CMOS technology
- 6.6.2.2 Multi pixel technology (MPT)

**6.6.3 ADJACENT TECHNOLOGIES**

- 6.6.3.1 Thermal imaging technology
- 6.6.3.2 Electronic nose (E-nose)

**6.7 TRADE ANALYSIS****6.7.1 IMPORT SCENARIO OF IMAGE SENSORS****FIGURE 33 IMPORT DATA FOR IMAGE SENSORS FOR TOP FIVE COUNTRIES IN IOT SENSORS MARKET, 2015–2019 (THOUSAND UNITS)****6.7.2 EXPORT SCENARIO OF IMAGE SENSORS****FIGURE 34 EXPORT DATA FOR IMAGE SENSORS FOR TOP FIVE COUNTRIES IN IOT SENSORS MARKET, 2015–2019 (THOUSAND UNITS)****7 IOT SENSORS MARKET, BY SENSOR TYPE****7.1 INTRODUCTION****FIGURE 35 IOT SENSORS MARKET, BY SENSOR TYPE****FIGURE 36 PRESSURE SENSOR SEGMENT TO HOLD LARGEST SIZE OF IOT SENSORS MARKET FROM 2021 TO 2026****TABLE 8 IOT SENSORS MARKET, BY SENSOR TYPE, 2017–2020 (USD MILLION)**



TABLE 9 IOT SENSORS MARKET, BY SENSOR TYPE, 2021–2026 (USD MILLION)

TABLE 10 IOT SENSORS MARKET, BY SENSOR TYPE, 2017–2020 (MILLION UNITS)

TABLE 11 IOT SENSORS MARKET, BY SENSOR TYPE, 2021–2026 (MILLION UNITS)

## 7.2 TEMPERATURE SENSOR

7.2.1 HIGH ADOPTION OF TEMPERATURE SENSORS IN AVIATION AND MANUFACTURING INDUSTRIES TO DRIVE MARKET GROWTH

FIGURE 37 INDUSTRIAL IOT SEGMENT TO HOLD LARGEST SIZE OF TEMPERATURE IOT SENSORS MARKET FROM 2021 TO 2026

TABLE 12 TEMPERATURE IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 13 TEMPERATURE IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 14 TEMPERATURE IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 15 TEMPERATURE IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.3 PRESSURE SENSOR

7.3.1 INCREASED USE OF PRESSURE SENSORS IN VARIOUS APPLICATIONS

TABLE 16 PRESSURE IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 17 PRESSURE IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 18 PRESSURE IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 19 PRESSURE IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.4 HUMIDITY SENSOR

7.4.1 EASY CONNECTIVITY TO DEVICES ENABLED WITH WI-FI TO DRIVE DEMAND FOR HUMIDITY SENSORS

TABLE 20 HUMIDITY IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 21 HUMIDITY IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

FIGURE 38 HUMIDITY IOT SENSORS MARKET IN APAC TO GROW AT HIGHEST CAGR FROM 2021 TO 2026

TABLE 22 HUMIDITY IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 23 HUMIDITY IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

#### 7.5 FLOW SENSOR

7.5.1 HIGH ADOPTION OF FLOW SENSOR IN INDUSTRIAL MANUFACTURING AND HEALTHCARE SECTORS TO FUEL THEIR DEMAND

TABLE 24 FLOW IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 25 FLOW IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 26 FLOW IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 27 FLOW IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

#### 7.6 ACCELEROMETER

7.6.1 RISEN DEPLOYMENT OF ACCELEROMETERS IN WEARABLE ELECTRONICS TO BOOST MARKET GROWTH

TABLE 28 ACCELEROMETER IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 29 ACCELEROMETER IOT SENSORS MARKET , BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 30 ACCELEROMETER IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 31 ACCELEROMETER IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

#### 7.7 MAGNETOMETER

7.7.1 SURGED ADOPTION OF CONSUMER ELECTRONICS TO DRIVE MARKET FOR MAGNETOMETERS

TABLE 32 MAGNETOMETER IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 33 MAGNETOMETER IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

FIGURE 39 APAC TO HOLD LARGEST SIZE OF MAGNETOMETER IOT SENSORS MARKET

BY 2026

TABLE 34 MAGNETOMETER IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 35 MAGNETOMETER IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

#### 7.8 GYROSCOPE

7.8.1 LOWER POWER CONSUMPTION OF GYROSCOPES THAN OTHER SENSORS TO INCREASE THEIR GLOBAL DEMAND

TABLE 36 GYROSCOPE IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 37 GYROSCOPE IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 38 GYROSCOPE IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 39 GYROSCOPE IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.9 INERTIAL SENSOR

7.9.1 HIGH ADOPTION IN AUTOMOTIVE AND MEDICAL INDUSTRIES TO FUEL DEMAND FOR INERTIAL SENSORS

TABLE 40 INERTIAL IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 41 INERTIAL IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 42 INERTIAL IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 43 INERTIAL IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.10 IMAGE SENSOR

7.10.1 INCREASED ADOPTION OF IMAGE SENSORS IN CONSUMER AND INDUSTRIAL VERTICALS

TABLE 44 IMAGE IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 45 IMAGE IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 46 IMAGE IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 47 IMAGE IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.11 TOUCH SENSOR

7.11.1 INCREASED DEPLOYMENT OF TOUCH SENSORS IN AUTOMATION AND CONSUMER ELECTRONICS APPLICATIONS TO ACCELERATE THEIR DEMAND

FIGURE 40 INDUSTRIAL IOT SEGMENT TO HOLD LARGEST SIZE OF TOUCH IOT SENSORS MARKET IN 2021 AND 2026

TABLE 48 TOUCH IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 49 TOUCH IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 50 TOUCH IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 51 TOUCH IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.12 PROXIMITY SENSOR

### 7.12.1 RISEN DEPLOYMENT OF PROXIMITY SENSORS IN AUTOMOTIVE INDUSTRY AND HOME APPLICATIONS TO BOOST THEIR DEMAND

TABLE 52 PROXIMITY IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 53 PROXIMITY IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 54 PROXIMITY IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 55 PROXIMITY IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.13 ACOUSTIC SENSOR

### 7.13.1 SURGED USE OF ACOUSTIC SENSORS TO AID UNDERWATER AND UNDERGROUND COMMUNICATION

TABLE 56 ACOUSTIC IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 57 ACOUSTIC IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 58 ACOUSTIC IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 59 ACOUSTIC IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.14 MOTION SENSOR

### 7.14.1 HIGH ADOPTION OF MOTION SENSORS IN INDUSTRIAL APPLICATIONS TO FUEL THEIR GLOBAL DEMAND

FIGURE 41 MOTION IOT SENSORS MARKET FOR INDUSTRIAL IOT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 60 MOTION IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 61 MOTION IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 62 MOTION IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 63 MOTION IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

## 7.15 OCCUPANCY SENSOR

### 7.15.1 INCREASED ADOPTION OF OCCUPANCY SENSORS IN RESIDENTIAL AND COMMERCIAL BUILDINGS TO FUEL THEIR DEMAND

TABLE 64 OCCUPANCY IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD

MILLION)

TABLE 65 OCCUPANCY IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 66 OCCUPANCY IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 67 OCCUPANCY IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.15.2 IMAGE PROCESSING OCCUPANCY SENSOR

7.15.3 INTELLIGENT OCCUPANCY SENSOR

7.16 CO2 SENSOR

7.16.1 RISEN USAGE OF CO2 SENSORS FOR INDOOR CLIMATE SENSING TO BOOST THEIR DEMAND

TABLE 68 CO2 IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 69 CO2 IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

FIGURE 42 APAC TO HOLD LARGEST SIZE OF CO2 IOT SENSORS MARKET DURING FROM 2021 TO 2026

TABLE 70 CO2 IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 71 CO2 IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.17 OTHERS

7.17.1 LIGHT SENSOR

7.17.2 RADAR SENSOR

TABLE 72 OTHER IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 73 OTHER IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

TABLE 74 OTHER IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 75 OTHER IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

7.18 IMPACT OF COVID-19 ON IOT SENSORS MARKET, BY SENSOR TYPE

## **8 IOT SENSORS MARKET, BY NETWORK TECHNOLOGY**

8.1 INTRODUCTION

FIGURE 43 SNAPSHOT OF KEY NETWORK TECHNOLOGIES IN IOT SENSORS MARKET

FIGURE 44 WIRELESS NETWORK TECHNOLOGY SEGMENT TO LEAD IOT SENSORS MARKET FROM 2021 TO 2026

TABLE 76 IOT SENSORS MARKET, BY NETWORK TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 77 IOT SENSORS MARKET, BY NETWORK TECHNOLOGY, 2021–2026 (USD

MILLION)

## 8.2 WIRED

FIGURE 45 ETHERNET SEGMENT TO HOLD LARGEST SIZE OF IOT SENSORS MARKET FOR WIRED TECHNOLOGY FROM 2021 TO 2026

TABLE 78 IOT SENSORS MARKET FOR WIRED TECHNOLOGY, BY TYPE, 2017–2020 (USD MILLION)

TABLE 79 IOT SENSORS MARKET FOR WIRED TECHNOLOGY, BY TYPE, 2021–2026 (USD MILLION)

### 8.2.1 KNX

8.2.1.1 High adoption of KNX in various applications to drive its demand

### 8.2.2 LONWORKS

8.2.2.1 Ability of LonWorks to exchange information to fuel market growth

### 8.2.3 ETHERNET

8.2.3.1 Adoption of Ethernet in WAN to contribute to market growth

### 8.2.4 MODBUS

8.2.4.1 High adoption of Modbus in manufacturing industries to drive market growth

### 8.2.5 DIGITAL ADDRESSABLE LIGHTING INTERFACE (DALI)

8.2.5.1 Continuous advancements in lighting technologies to propel market growth for DALI

## 8.3 WIRELESS

TABLE 80 IOT SENSORS MARKET FOR WIRELESS TECHNOLOGY, BY TYPE, 2017–2020 (USD MILLION)

TABLE 81 IOT SENSORS MARKET FOR WIRELESS TECHNOLOGY, BY TYPE, 2021–2026 (USD MILLION)

### 8.3.1 WI-FI

8.3.1.1 Adoption of Wi-Fi in private, as well as public places to boost market growth

### 8.3.2 BLUETOOTH

#### 8.3.2.1 Bluetooth Smart

8.3.2.1.1 High adoption of Bluetooth Smart in wearable electronics to fuel its demand

#### 8.3.2.2 Wi-Fi/Bluetooth Smart

8.3.2.2.1 Wi-Fi/Bluetooth Smart offers enormous benefits to industries, thus boosting its demand

#### 8.3.2.3 Bluetooth Smart/Ant+

8.3.2.3.1 Ability to support various connection types to accelerate demand for Bluetooth Smart/ANT+

#### 8.3.2.4 Bluetooth 5

8.3.2.4.1 Features such as long range and fast speed to fuel demand for Bluetooth

5

### 8.3.3 ZIGBEE

8.3.3.1 Adoption in monitoring applications to drive market growth for ZigBee

### 8.3.4 Z-WAVE

8.3.4.1 High adoption of home automation to boost market for Z-Wave

### 8.3.5 NFC

8.3.5.1 Surged incorporation of NFC in automotive industry and smartphones to fuel market growth

### 8.3.6 RFID

8.3.6.1 Implementation of RFID in manufacturing industries to boost market growth

### 8.3.7 ENOCEAN

8.3.7.1 Low energy requirement of EnOcean to fuel its demand

### 8.3.8 THREAD

8.3.8.1 High adoption of Thread owing to advanced support to IoT devices to drive market growth

### 8.3.9 6LOWPAN

8.3.9.1 Scalability features of 6LoWPAN to contribute to market growth

### 8.3.10 WIRELESS-HART (WHART)

8.3.10.1 High adoption of WHART in industrial environments to enhance market growth

### 8.3.11 PROCESS FIELD BUS

8.3.11.1 Risen demand for automation technology to fuel adoption of PROFIBUS

### 8.3.12 DECT-ULE

8.3.12.1 Features including long range and low latency to contribute to adoption of DECT-ULE

### 8.3.13 OTHERS

8.3.13.1 ANT+

8.3.13.2 ISA100

8.3.13.3 GPS

8.3.13.4 Sub-Gig

8.3.13.5 Cellular

## 9 IOT SENSORS MARKET, BY VERTICAL

### 9.1 INTRODUCTION

FIGURE 46 CONSUMER IOT SENSORS MARKET TO GROW AT HIGHEST CAGR FROM

**2021 TO 2026**



TABLE 82 IOT SENSORS MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 83 IOT SENSORS MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

## 9.2 CONSUMER IOT

9.2.1 SMART APPLIANCES TO DRIVE GLOBAL DEMAND FOR IOT SENSORS SIGNIFICANTLY

TABLE 84 CONSUMER IOT SENSORS MARKET, BY END-USE APPLICATION, 2017–2020 (USD MILLION)

TABLE 85 CONSUMER IOT SENSORS MARKET, BY END-USE APPLICATION, 2021–2026 (USD MILLION)

TABLE 86 CONSUMER IOT SENSORS MARKET, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 87 CONSUMER IOT SENSORS MARKET, BY SENSOR TYPE, 2021–2026 (USD MILLION)

### 9.2.2 HOME AUTOMATION

#### 9.2.2.1 Consumer devices

##### 9.2.2.1.1 Smart TV

9.2.2.1.1.1 Improved quality and increased features offered by smart TV equipped with IoT sensors

##### 9.2.2.1.2 Smart locks

9.2.2.1.2.1 Reinvention of conventional residential devices and appliances to fuel growth of market for smart locks

##### 9.2.2.1.3 Smoke detectors

9.2.2.1.3.1 Increased adoption of security and safety features in houses to contribute to demand for smoke detectors

##### 9.2.2.1.4 Home theater projectors

9.2.2.1.4.1 Home theater projectors offer connectivity through portable devices

##### 9.2.2.1.5 Next-generation gaming consoles

9.2.2.1.5.1 Online multiplayer gaming and dynamic in-game advertising to fuel demand for next-generation gaming consoles

##### 9.2.2.1.6 Set-top boxes

9.2.2.1.6.1 Surged adoption of set-top boxes in smart homes to facilitate their connection with mobility solutions

#### 9.2.2.2 Consumer appliances

##### 9.2.2.2.1 Smart washing machines

9.2.2.2.1.1 Energy efficiency offered by smart washing machines to fuel their global demand

##### 9.2.2.2.2 Smart dryers

9.2.2.2.2.1 Smart dryers equipped with Wi-Fi can monitor and control their dryers through smartphones

#### 9.2.2.2.3 Smart refrigerators

9.2.2.2.3.1 Smart refrigerators can keep track of their cooling efficiency

#### 9.2.2.2.4 Smart ovens

9.2.2.2.4.1 Smart ovens allow users to set timers, check cooking status, and preheat food remotely using their smartphones

#### 9.2.2.2.5 Smart cooktops

9.2.2.2.5.1 Smart cooktops allow users to control all their functions wirelessly

#### 9.2.2.2.6 Smart cookers

9.2.2.2.6.1 Smart cookers can be accessed and controlled through smartphone or tablet apps

#### 9.2.2.2.7 Smart deep freezers

9.2.2.2.7.1 Smart deep freezers can automatically keep stock of their inventory level in real-time

#### 9.2.2.2.8 Smart dishwashers

9.2.2.2.8.1 Smart dishwashers provide information about status and duration of wash cycles

#### 9.2.2.2.9 Smart coffee makers

9.2.2.2.9.1 Smart coffee makers allow users to make coffee using an app

#### 9.2.2.2.10 Smart kettles

9.2.2.2.10.1 Smart kettles can be remotely-operated using smartphone or tablet apps

### 9.2.3 SMART CITIES

#### 9.2.3.1 Traffic management

9.2.3.1.1 Adoption of smart technology solutions to streamline traffic flow

#### 9.2.3.2 Water management

9.2.3.2.1 Smart water management helps utilities and water regulatory bodies reduce their maintenance and repair expenditure

#### 9.2.3.3 Smart waste management

9.2.3.3.1 Smart waste management systems carry out efficient food waste management

#### 9.2.3.4 Smart parking

9.2.3.4.1 Smart parking systems monitor parking spaces or assist drivers in finding free parking lots

#### 9.2.3.5 Smart lighting

9.2.3.5.1 Smart light switches allow users to turn room lights on or off from any location in world

### 9.2.4 WEARABLE ELECTRONICS

**FIGURE 47 CONSUMER SEGMENT TO ACCOUNT FOR LARGEST SIZE OF CONSUMER IOT SENSORS MARKET FOR WEARABLE ELECTRONICS FROM 2021**

TO 2026

TABLE 88 CONSUMER IOT SENSORS MARKET FOR WEARABLE ELECTRONICS, BY APPLICATION TYPE, 2017–2020 (USD MILLION)

TABLE 89 CONSUMER IOT SENSORS MARKET FOR WEARABLE ELECTRONICS, BY APPLICATION TYPE, 2021–2026 (USD MILLION)

TABLE 90 CONSUMER IOT SENSORS MARKET FOR WEARABLE ELECTRONICS, BY DEVICE TYPE, 2017–2020 (USD MILLION)

TABLE 91 CONSUMER IOT SENSORS MARKET FOR WEARABLE ELECTRONICS, BY DEVICE TYPE, 2021–2026 (USD MILLION)

9.2.4.1 Consumer application types

9.2.4.1.1 Wearable electronics enable mobile computing and wireless networking

9.2.4.2 Healthcare application types

9.2.4.2.1 Shift in global focus from on-premises healthcare services to remote monitoring of patients or their self-monitoring

9.2.4.3 Industrial application types

9.2.4.3.1 Wearable devices used in logistics and supply chain sector help track goods during their transit

9.3 COMMERCIAL IOT

TABLE 92 COMMERCIAL IOT SENSORS MARKET, BY END-USE APPLICATION, 2017–2020 (USD MILLION)

TABLE 93 COMMERCIAL IOT SENSORS MARKET, BY END-USE APPLICATION, 2021–2026 (USD MILLION)

TABLE 94 COMMERCIAL IOT SENSORS MARKET, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 95 COMMERCIAL IOT SENSORS MARKET, BY SENSOR TYPE, 2021–2026 (USD MILLION)

9.3.1 RETAIL

FIGURE 48 SAFETY AND SECURITY SEGMENT TO HOLD LARGEST SIZE OF COMMERCIAL IOT SENSORS MARKET FOR RETAIL FROM 2021 TO 2026

TABLE 96 COMMERCIAL IOT SENSORS MARKET FOR RETAIL, BY APPLICATION TYPE, 2017–2020 (USD MILLION)

TABLE 97 COMMERCIAL IOT SENSORS MARKET FOR RETAIL, BY APPLICATION TYPE, 2021–2026 (USD MILLION)

9.3.1.1 Advertising and marketing

9.3.1.1.1 Increased use of IoT solutions by retailers to advertise and market their products

9.3.1.2 Digital signage

9.3.1.2.1 Deployment of digital signage in retail stores for creating brand awareness

9.3.1.3 Energy optimization

9.3.1.3.1 Surged demand for energy optimization to use available energy resources effectively to avoid their wastage

9.3.1.4 Intelligent payment solutions

9.3.1.4.1 Installation of intelligent payment counters in retail stores results in enhanced customer experience

9.3.1.5 Real-time/streaming analytics

9.3.1.5.1 Use of analytics for effective decision-making owing to proliferation of big data

9.3.1.6 Resource management

9.3.1.6.1 IoT platforms provide retail solutions to customers and also help organizations track employees

9.3.1.7 Safety and security

9.3.1.7.1 Potentially critical and sensitive IoT data requires proper security solutions at every node

9.3.1.8 Smart shelves and smart doors

9.3.1.8.1 Smart shelves help retailers analyze gathered information and convert it into desired customer preferences

9.3.1.9 Smart vending machines

9.3.1.9.1 Smart vending machines help in carrying out contactless payments

## 9.3.2 AEROSPACE AND DEFENSE

9.3.2.1 Drones/unmanned aerial vehicles (UAV)

9.3.2.1.1 Risen use of drones/UAV for reconnaissance missions

9.3.2.2 Predictive maintenance

9.3.2.2.1 Surged adoption of predictive maintenance to analyze data and understand issues related to equipment

## 9.3.3 LOGISTICS AND SUPPLY CHAIN

9.3.3.1 Increased deployment of IoT sensors in logistics and supply chain applications for data management and capability visualization

## 9.3.4 ENTERTAINMENT

9.3.4.1 Installation of IoT sensors in shopping malls and theme parks for making them interactive for customers

## 9.3.5 FINANCIAL INSTITUTES

9.3.5.1 Deployment of new and highly convenient solutions for customers by financial and banking sector

## 9.3.6 CORPORATE OFFICES

9.3.6.1 High adoption of occupancy sensors in corporate houses

## 9.4 INDUSTRIAL IOT

**FIGURE 49 TRANSPORTATION SEGMENT TO HOLD LARGEST SIZE OF INDUSTRIAL IOT SENSORS MARKET IN 2026**

TABLE 98 INDUSTRIAL IOT SENSORS MARKET, BY END-USE APPLICATION, 2017–2020 (USD MILLION)

TABLE 99 INDUSTRIAL IOT SENSORS MARKET, BY END-USE APPLICATION, 2021–2026 (USD MILLION)

TABLE 100 INDUSTRIAL IOT SENSORS MARKET, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 101 INDUSTRIAL IOT SENSORS MARKET, BY SENSOR TYPE, 2021–2026 (USD MILLION)

#### 9.4.1 ENERGY

9.4.1.1 IoT sensors enable energy sector to adopt solutions for production enhancement, error reduction, and downtime minimization

#### 9.4.2 INDUSTRIAL AUTOMATION

9.4.2.1 Requirement of increased productivity of different industries to drive growth of IoT sensors market

#### 9.4.3 TRANSPORTATION

FIGURE 50 ROADWAYS SEGMENT TO ACCOUNT FOR LARGEST SIZE OF INDUSTRIAL IOT SENSORS MARKET FOR TRANSPORTATION FROM 2021 TO 2026

TABLE 102 INDUSTRIAL IOT SENSORS MARKET FOR TRANSPORTATION, BY TRANSPORTATION MODE, 2017–2020 (USD MILLION)

TABLE 103 INDUSTRIAL IOT SENSORS MARKET FOR TRANSPORTATION, BY TRANSPORTATION MODE, 2021–2026 (USD MILLION)

##### 9.4.3.1 Transportation modes

###### 9.4.3.1.1 Roadways

9.4.3.1.1.1 Increased use of IoT sensors in navigation, vehicle maintenance, and security and safety systems

###### 9.4.3.1.2 Railways

9.4.3.1.2.1 Deployment of new technologies help acquire and analyze information across rail networks to become highly efficient and effective

###### 9.4.3.1.3 Airways

9.4.3.1.3.1 Risen use of IoT sensors in airways to carry out automated real-time processes

###### 9.4.3.1.4 Maritime

9.4.3.1.4.1 Large-scale deployment of IoT sensors in marine vessels for smooth maritime operations

TABLE 104 INDUSTRIAL IOT SENSORS MARKET FOR TRANSPORTATION, BY APPLICATION TYPE, 2017–2020 (USD MILLION)

TABLE 105 INDUSTRIAL IOT SENSORS MARKET FOR TRANSPORTATION, BY APPLICATION TYPE, 2021–2026 (USD MILLION)

#### 9.4.3.2 Transportation application types

##### 9.4.3.2.1 Predictive analysis

9.4.3.2.1.1 Surged use of predictive analytics in maintenance and repair databases

##### 9.4.3.2.2 Telematics

###### 9.4.3.2.2.1 In-vehicle (In-V)

9.4.3.2.2.1.1 Increased demand for in-vehicle telematics to provide accurate individual travel and route information

###### 9.4.3.2.2.2 Vehicle-to-vehicle (V2V)

9.4.3.2.2.2.1 Surged usage of vehicle-to-vehicle connectivity for short-range vehicular networks

###### 9.4.3.2.2.3 Vehicle-to-infrastructure (V2I)

9.4.3.2.2.3.1 Risen demand for vehicle-to-infrastructure connectivity for wireless exchange of critical operational data between vehicles and highway infrastructures

###### 9.4.3.2.2.4 Infotainment

9.4.3.2.2.4.1 Risen use of cloud-based media by consumers

###### 9.4.3.2.2.5 Advanced driver-assistance systems (ADAS)

9.4.3.2.2.5.1 Surged deployment of ADAS in vehicles for enhanced safety

#### 9.4.4 HEALTHCARE

FIGURE 51 INPATIENT MONITORING SEGMENT OF INDUSTRIAL IOT SENSORS MARKET FOR HEALTHCARE TO GROW AT HIGHEST CAGR FROM 2021 TO 2026

TABLE 106 INDUSTRIAL IOT SENSORS MARKET FOR HEALTHCARE, BY APPLICATION TYPE, 2017–2020 (USD MILLION)

TABLE 107 INDUSTRIAL IOT SENSORS MARKET FOR HEALTHCARE, BY APPLICATION TYPE, 2021–2026 (USD MILLION)

##### 9.4.4.1 Telemedicine

9.4.4.1.1 Telemedicine can electronically deliver diagnostic and health services to patients

##### 9.4.4.2 Clinical operations and workflow management

9.4.4.2.1 IoT sensors help local and remote healthcare teams in managing medical equipment and inventories

##### 9.4.4.3 Connected imaging

9.4.4.3.1 Connected imaging to carry out clinical trials of new tests in timely manner

##### 9.4.4.4 Inpatient monitoring

9.4.4.4.1 Increased use of IoT sensors to collect comprehensive physiological information of patients

##### 9.4.4.5 Medication management

9.4.4.5.1 IoT sensors enable easy tracking of prescription compliance by medication dispensing devices

##### 9.4.4.6 Others



#### 9.4.5 SMART AGRICULTURE

FIGURE 52 PRECISION FARMING SEGMENT TO HOLD LARGEST SIZE OF INDUSTRIAL IOT SENSORS MARKET FOR SMART AGRICULTURE IN 2026

TABLE 108 INDUSTRIAL IOT SENSORS MARKET FOR SMART AGRICULTURE, BY APPLICATION TYPE, 2017–2020 (USD MILLION)

TABLE 109 INDUSTRIAL IOT SENSORS MARKET FOR SMART AGRICULTURE, BY APPLICATION TYPE, 2021–2026 (USD MILLION)

##### 9.4.5.1 Precision farming

9.4.5.1.1 Optimization of operational practices being used in farms and enhancement of field efficiency using IoT sensors

##### 9.4.5.2 Livestock monitoring

9.4.5.2.1 Deployment of IoT sensors to gather real-time information for improved livestock management

##### 9.4.5.3 Smart fish farming

9.4.5.3.1 New technologies help in monitoring feeding patterns of fish and detecting diseases

##### 9.4.5.4 Smart greenhouse

9.4.5.4.1 Deployment of IoT sensor-based control systems to regulate internal conditions of smart greenhouses

##### 9.4.5.5 Others

## 10 GEOGRAPHIC ANALYSIS

### 10.1 INTRODUCTION

FIGURE 53 GEOGRAPHIC SNAPSHOT OF IOT SENSORS MARKET

TABLE 110 IOT SENSORS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 111 IOT SENSORS MARKET, BY REGION, 2021–2026 (USD MILLION)

### 10.2 NORTH AMERICA

FIGURE 54 SNAPSHOT OF IOT SENSORS MARKET IN NORTH AMERICA

TABLE 112 IOT SENSORS MARKET IN NORTH AMERICA, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 113 IOT SENSORS MARKET IN NORTH AMERICA, BY SENSOR TYPE, 2021–2026 (USD MILLION)

TABLE 114 IOT SENSORS MARKET IN NORTH AMERICA, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 115 IOT SENSORS MARKET IN NORTH AMERICA, BY COUNTRY, 2021–2026 (USD MILLION)

#### 10.2.1 US

10.2.1.1 US to be largest market for IoT sensors in North America from



## 2021 TO 2026

### 10.2.2 CANADA

10.2.2.1 IoT sensors market to witness significant growth in Canada owing to establishment of data centers in country

### 10.2.3 MEXICO

10.2.3.1 Increased adoption of IoT sensors in various sectors to drive growth of market in Mexico

## 10.3 EUROPE

### FIGURE 55 SNAPSHOT OF IOT SENSORS MARKET IN EUROPE

TABLE 116 IOT SENSORS MARKET IN EUROPE, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 117 IOT SENSORS MARKET IN EUROPE, BY SENSOR TYPE, 2021–2026 (USD MILLION)

TABLE 118 IOT SENSORS MARKET IN EUROPE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 119 IOT SENSORS MARKET IN EUROPE, BY COUNTRY, 2021–2026 (USD MILLION)

### 10.3.1 GERMANY

10.3.1.1 Automotive and manufacturing industries increase adoption of IoT sensors in Germany

### 10.3.2 UK

10.3.2.1 Risen adoption of IoT sensors in manufacturing and healthcare industries to drive market growth in UK

### 10.3.3 FRANCE

10.3.3.1 Aerospace industry to drive growth of IoT sensors market in France

### 10.3.4 ITALY

10.3.4.1 Increased adoption of IoT sensors in automotive industry of Italy

### 10.3.5 SPAIN

10.3.5.1 Surged demand for IoT sensors from automotive and energy industries to drive market growth in Spain

### 10.3.6 REST OF EUROPE

## 10.4 APAC

### FIGURE 56 SNAPSHOT OF IOT SENSORS MARKET IN APAC

TABLE 120 IOT SENSORS MARKET IN APAC, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 121 IOT SENSORS MARKET IN APAC, BY SENSOR TYPE, 2021–2026 (USD MILLION)

TABLE 122 IOT SENSORS MARKET IN APAC, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 123 IOT SENSORS MARKET IN APAC, BY COUNTRY, 2021–2026 (USD MILLION)

#### 10.4.1 CHINA

10.4.1.1 High adoption of IoT sensors in industrial automation to drive growth of market in China

#### 10.4.2 JAPAN

10.4.2.1 Surged deployment of IoT sensors in manufacturing industry to fuel market growth in Japan

#### 10.4.3 SOUTH KOREA

10.4.3.1 Supportive government initiatives to drive growth of IoT sensors market in South Korea

#### 10.4.4 INDIA

10.4.4.1 Rapid industrialization in India to drive growth of IoT sensors market in country

#### 10.4.5 AUSTRALIA

10.4.5.1 Increased demand for IoT sensors from healthcare industry to fuel growth of market in Australia

#### 10.4.6 REST OF APAC

### 10.5 ROW

FIGURE 57 SOUTH AMERICA TO LEAD IOT SENSORS MARKET IN ROW FROM

## **2021 TO 2026**

TABLE 124 IOT SENSORS MARKET IN ROW, BY SENSOR TYPE, 2017–2020 (USD MILLION)

TABLE 125 IOT SENSORS MARKET IN ROW, BY SENSOR TYPE, 2021–2026 (USD MILLION)

TABLE 126 IOT SENSORS MARKET IN ROW, BY REGION, 2017–2020 (USD MILLION)

TABLE 127 IOT SENSORS MARKET IN ROW, BY REGION, 2021–2026 (USD MILLION)

#### 10.5.1 MIDDLE EAST AND AFRICA

10.5.1.1 Oil & gas industries fuel growth of IoT sensors market in Middle East and Africa

#### 10.5.2 SOUTH AMERICA

10.5.2.1 Industrial automation and automotive industries fuel growth of IoT sensors market in South America

## 11 COMPETITIVE LANDSCAPE

### 11.1 OVERVIEW

### 11.2 MARKET EVALUATION FRAMEWORK

TABLE 128 OVERVIEW OF STRATEGIES DEPLOYED BY MANUFACTURERS OF IOT SENSORS

#### 11.2.1 PRODUCT PORTFOLIO

#### 11.2.2 REGIONAL FOCUS

#### 11.2.3 MANUFACTURING FOOTPRINT

#### 11.2.4 ORGANIC/INORGANIC PLAY

### 11.3 MARKET SHARE ANALYSIS, 2020

TABLE 129 DEGREE OF COMPETITION

### 11.4 REVENUE ANALYSIS OF TOP FIVE PLAYERS IN IOT SENSORS MARKET

FIGURE 58 FIVE-YEAR REVENUE ANALYSIS OF TOP FIVE PLAYERS IN IOT SENSORS MARKET

### 11.5 COMPANY EVALUATION QUADRANT

#### 11.5.1 STAR

#### 11.5.2 EMERGING LEADER

#### 11.5.3 PERVASIVE

#### 11.5.4 PARTICIPANT

FIGURE 59 IOT SENSORS MARKET: COMPANY EVALUATION QUADRANT, 2020

### 11.6 STARTUP/SME EVALUATION MATRIX

TABLE 130 LIST OF STARTUP COMPANIES IN IOT SENSORS MARKET

#### 11.6.1 PROGRESSIVE COMPANY

#### 11.6.2 RESPONSIVE COMPANY

#### 11.6.3 DYNAMIC COMPANY

#### 11.6.4 STARTING BLOCK

FIGURE 60 IOT SENSORS MARKET: STARTUP/SME EVALUATION MATRIX, 2020

### 11.7 COMPANY PRODUCT FOOTPRINT

TABLE 131 COMPANY PRODUCT FOOTPRINT

FIGURE 61 FOOTPRINT OF DIFFERENT SENSOR TYPES OFFERED BY DIFFERENT COMPANIES

TABLE 132 FOOTPRINT OF DIFFERENT COMPANIES IN DIFFERENT VERTICALS

TABLE 133 REGIONAL FOOTPRINT OF DIFFERENT COMPANIES

### 11.8 COMPETITIVE SITUATIONS AND TRENDS

FIGURE 62 STRATEGIES ADOPTED BY KEY PLAYERS FROM JANUARY 2017 TO NOVEMBER 2020

#### 11.8.1 PRODUCT LAUNCHES AND DEVELOPMENTS

TABLE 134 PRODUCT LAUNCHES AND DEVELOPMENTS, JANUARY 2017–  
NOVEMBER 2020

11.8.2 DEALS

TABLE 135 DEALS, JANUARY 2017–NOVEMBER 2020

11.8.3 OTHERS

TABLE 136 OTHERS, JANUARY 2017–NOVEMBER 2020

## **12 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)\*

12.1 KEY PLAYERS

12.1.1 TEXAS INSTRUMENTS

TABLE 137 TEXAS INSTRUMENTS: BUSINESS OVERVIEW

FIGURE 63 TEXAS INSTRUMENTS: COMPANY SNAPSHOT

12.1.2 TE CONNECTIVITY

TABLE 138 TE CONNECTIVITY: BUSINESS OVERVIEW

FIGURE 64 TE CONNECTIVITY: COMPANY SNAPSHOT

12.1.3 BROADCOM (AVAGO)

TABLE 139 BROADCOM: BUSINESS OVERVIEW

FIGURE 65 BROADCOM: COMPANY SNAPSHOT

12.1.4 NXP SEMICONDUCTORS

TABLE 140 NXP SEMICONDUCTORS: BUSINESS OVERVIEW

FIGURE 66 NXP SEMICONDUCTORS: COMPANY SNAPSHOT

12.1.5 STMICROELECTRONICS

TABLE 141 STMICROELECTRONICS: BUSINESS OVERVIEW

FIGURE 67 STMICROELECTRONICS: COMPANY SNAPSHOT

12.1.6 BOSCH SENSORTEC

12.1.6.1 Business overview

TABLE 142 BOSCH SENSORTEC: BUSINESS OVERVIEW

12.1.6.2 Products offered

12.1.6.3 Recent developments

12.1.7 TDK (INVENSENSE)

TABLE 143 TDK: BUSINESS OVERVIEW

FIGURE 68 TDK: COMPANY SNAPSHOT

12.1.8 INFINEON TECHNOLOGIES

TABLE 144 INFINEON TECHNOLOGIES: BUSINESS OVERVIEW

FIGURE 69 INFINEON TECHNOLOGIES: COMPANY SNAPSHOT

12.1.9 ANALOG DEVICES

TABLE 145 ANALOG DEVICES: BUSINESS OVERVIEW  
FIGURE 70 ANALOG DEVICES: COMPANY SNAPSHOT

12.1.10 OMRON

TABLE 146 OMRON: BUSINESS OVERVIEW  
FIGURE 71 OMRON: COMPANY SNAPSHOT

12.1.11 AMS AG

TABLE 147 AMS AG: BUSINESS OVERVIEW  
FIGURE 72 AMS AG: COMPANY SNAPSHOT

12.2 OTHER KEY PLAYERS

12.2.1 SENSIRION

12.2.2 HONEYWELL

12.2.3 SIEMENS

12.2.4 KNOWLES ELECTRONICS

12.2.5 ABB

12.2.6 SENSATA TECHNOLOGIES

12.2.7 EMERSON ELECTRIC

12.2.8 TELEDYNE TECHNOLOGIES INCORPORATED

12.2.9 SMARTTHINGS

12.2.10 MONNIT

12.2.11 MURATA MANUFACTURING

12.2.12 FIGARO ENGINEERING INC.

12.2.13 SAFRAN COLIBRYS SA

\*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

## **13 APPENDIX**

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

13.4 AVAILABLE CUSTOMIZATIONS

13.5 RELATED REPORTS

13.6 AUTHOR DETAILS

## I would like to order

Product name: IoT Sensors Market with COVID-19 impact by Sensor type, Network Technology, Vertical, Application, and Geography (North America, Europe, APAC, RoW) - Global Forecast to 2026

Product link: <https://marketpublishers.com/r/I7E6029AC22EN.html>

Price: US\$ 4,950.00 (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/I7E6029AC22EN.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