

# Cellular IoT Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/CEF9AE402976EN.html>

Date: June 2023

Pages: 141

Price: US\$ 2,499.00 (Single User License)

ID: CEF9AE402976EN

## Abstracts

### Market Overview:

The global cellular IoT market size reached US\$ 4.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 14.3 Billion by 2028, exhibiting a growth rate (CAGR) of 20.9% during 2023-2028.

Cellular Internet of Things (IoT) refers to the integration of telecommunication devices with the internet. It utilizes advanced technologies, such as 3G, 4G, 5G and Low Power Wide Area (LPWA), for establishing reliable connections through various hardware devices and sensors. It is widely used for asset, warehouse and workforce management, remote plant monitoring, automation, cloud-based robotics, traffic management and telematics in smartwatches and fitness bands. Cellular IoT solutions simplify global deployment, establish a secured connection with other shared networks and support both low and high bandwidths. As a result, they find extensive applications across various industries, including agriculture, environment monitoring, healthcare, manufacturing, automotive and energy.

### Cellular IoT Market Trends:

Significant growth in the telecommunications industry across the globe is one of the key factors creating a positive outlook for the market. Moreover, rapid digitization and the increasing requirement for automation across industries are providing a thrust to the market growth. Medium and large-scale organizations are widely adopting Narrowband Internet of Things (NB-IoT) and Long-Term Evolution for Machines (LTE-M) solutions. These technologies can be integrated with the existing mobile networks to provide enhanced end-to-end security, device-level access and authentication and encrypted

data transfer. Additionally, integration of the IoT, embedded sensors, Wi-Fi and Bluetooth with automobile systems are acting as other growth-inducing factors. Automotive manufacturers combine wireless communication into both luxury and economy vehicles to facilitate in-vehicle communication, vehicle-to-vehicle communication and vehicle-to-infrastructure communication. In line with this, these technologies are also used for smart metering, weather monitoring, infrastructure security and flood and agricultural management. Other factors, including increasing commercialization of 5G, along with significant infrastructural developments, especially in the developing economies, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global cellular IoT market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, type and end use.

#### Breakup by Component:

- Hardware
- Software

- Device Management
- Signal Processing

#### Breakup by Type:

- 2G
- 3G
- 4G
- LTE-M
- NB-LTE-M
- NB-IoT
- 5G

#### Breakup by End Use:

- Agriculture
- Automotive and Transportation

Consumer Electronics  
Energy  
Environment Monitoring  
Healthcare  
Retail  
Smart Cities  
Others

Breakup by Region:

North America

United States  
Canada

Asia-Pacific

China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others

Europe

Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others

Latin America

Brazil  
Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Arm Limited, Commsolid GmbH (Goodix Technology (HK) Company Limited), MediaTek Inc., Qualcomm Incorporated, Sequans Communications, Sierra Wireless, Telefonaktiebolaget LM Ericsson, Telit, Texas Instruments Incorporated, Thales Group, U-Blox Holding AG and ZTE Corporation.

Key Questions Answered in This Report:

What was the size of the global cellular IoT market in 2022?

What is the expected growth rate of the global cellular IoT market during 2023-2028?

What are the key factors driving the global cellular IoT market?

What has been the impact of COVID-19 on the global cellular IoT market?

What is the breakup of the global cellular IoT market based on the component?

What is the breakup of the global cellular IoT market based on the type?

What is the breakup of the global cellular IoT market based on the end use?

What are the key regions in the global cellular IoT market?

Who are the key players/companies in the global cellular IoT market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL CELLULAR IOT MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY COMPONENT**

- 6.1 Hardware
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Software
  - 6.2.1 Market Trends
  - 6.2.2 Key Segments
    - 6.2.2.1 Device Management

6.2.2.2 Signal Processing

6.2.3 Market Forecast

## **7 MARKET BREAKUP BY TYPE**

7.1 2G

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 3G

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 4G

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 LTE-M

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 NB-LTE-M

7.5.1 Market Trends

7.5.2 Market Forecast

7.6 NB-IoT

7.6.1 Market Trends

7.6.2 Market Forecast

7.7 5G

7.7.1 Market Trends

7.7.2 Market Forecast

## **8 MARKET BREAKUP BY END USE**

8.1 Agriculture

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Automotive and Transportation

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Consumer Electronics

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Energy

- 8.4.1 Market Trends
- 8.4.2 Market Forecast
- 8.5 Environment Monitoring
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast
- 8.6 Healthcare
  - 8.6.1 Market Trends
  - 8.6.2 Market Forecast
- 8.7 Retail
  - 8.7.1 Market Trends
  - 8.7.2 Market Forecast
- 8.8 Smart Cities
  - 8.8.1 Market Trends
  - 8.8.2 Market Forecast
- 8.9 Others
  - 8.9.1 Market Trends
  - 8.9.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada
    - 9.1.2.1 Market Trends
    - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends

- 9.2.4.2 Market Forecast
- 9.2.5 Australia
  - 9.2.5.1 Market Trends
  - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
  - 9.2.6.1 Market Trends
  - 9.2.6.2 Market Forecast
- 9.2.7 Others
  - 9.2.7.1 Market Trends
  - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends
    - 9.3.5.2 Market Forecast
  - 9.3.6 Russia
    - 9.3.6.1 Market Trends
    - 9.3.6.2 Market Forecast
  - 9.3.7 Others
    - 9.3.7.1 Market Trends
    - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast



### 9.4.3 Others

#### 9.4.3.1 Market Trends

#### 9.4.3.2 Market Forecast

### 9.5 Middle East and Africa

#### 9.5.1 Market Trends

#### 9.5.2 Market Breakup by Country

#### 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

### 10.1 Overview

### 10.2 Strengths

### 10.3 Weaknesses

### 10.4 Opportunities

### 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

### 12.1 Overview

### 12.2 Bargaining Power of Buyers

### 12.3 Bargaining Power of Suppliers

### 12.4 Degree of Competition

### 12.5 Threat of New Entrants

### 12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

### 14.1 Market Structure

### 14.2 Key Players

### 14.3 Profiles of Key Players

#### 14.3.1 Arm Limited

##### 14.3.1.1 Company Overview

##### 14.3.1.2 Product Portfolio

#### 14.3.2 Commsolid GmbH (Goodix Technology (HK) Company Limited)

##### 14.3.2.1 Company Overview

- 14.3.2.2 Product Portfolio
- 14.3.3 MediaTek Inc.
  - 14.3.3.1 Company Overview
  - 14.3.3.2 Product Portfolio
  - 14.3.3.3 Financials
  - 14.3.3.4 SWOT Analysis
- 14.3.4 Qualcomm Incorporated
  - 14.3.4.1 Company Overview
  - 14.3.4.2 Product Portfolio
  - 14.3.4.3 Financials
  - 14.3.4.4 SWOT Analysis
- 14.3.5 Sequans Communications
  - 14.3.5.1 Company Overview
  - 14.3.5.2 Product Portfolio
  - 14.3.5.3 Financials
- 14.3.6 Sierra Wireless
  - 14.3.6.1 Company Overview
  - 14.3.6.2 Product Portfolio
  - 14.3.6.3 Financials
  - 14.3.6.4 SWOT Analysis
- 14.3.7 Telefonaktiebolaget LM Ericsson
  - 14.3.7.1 Company Overview
  - 14.3.7.2 Product Portfolio
  - 14.3.7.3 Financials
  - 14.3.7.4 SWOT Analysis
- 14.3.8 Telit
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
  - 14.3.8.3 SWOT Analysis
- 14.3.9 Texas Instruments Incorporated
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 Financials
  - 14.3.9.4 SWOT Analysis
- 14.3.10 Thales Group
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
  - 14.3.10.4 SWOT Analysis

#### 14.3.11 U-Blox Holding AG

14.3.11.1 Company Overview

14.3.11.2 Product Portfolio

14.3.11.3 Financials

#### 14.3.12 ZTE Corporation

14.3.12.1 Company Overview

14.3.12.2 Product Portfolio

14.3.12.3 Financials

## List Of Tables

### LIST OF TABLES

Table 1: Global: Cellular IoT Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Cellular IoT Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 3: Global: Cellular IoT Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 4: Global: Cellular IoT Market Forecast: Breakup by End Use (in Million US\$), 2023-2028

Table 5: Global: Cellular IoT Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Cellular IoT Market: Competitive Structure

Table 7: Global: Cellular IoT Market: Key Players

## List Of Figures

### LIST OF FIGURES

- Figure 1: Global: Cellular IoT Market: Major Drivers and Challenges
- Figure 2: Global: Cellular IoT Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Cellular IoT Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 4: Global: Cellular IoT Market: Breakup by Component (in %), 2022
- Figure 5: Global: Cellular IoT Market: Breakup by Type (in %), 2022
- Figure 6: Global: Cellular IoT Market: Breakup by End Use (in %), 2022
- Figure 7: Global: Cellular IoT Market: Breakup by Region (in %), 2022
- Figure 8: Global: Cellular IoT (Hardware) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 9: Global: Cellular IoT (Hardware) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 10: Global: Cellular IoT (Software) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Cellular IoT (Software) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Cellular IoT (2G) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Cellular IoT (2G) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Cellular IoT (3G) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Cellular IoT (3G) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Cellular IoT (4G) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Cellular IoT (4G) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Cellular IoT (LTE-M) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Cellular IoT (LTE-M) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Cellular IoT (NB-LTE-M) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 21: Global: Cellular IoT (NB-LTE-M) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 22: Global: Cellular IoT (NB-IoT) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 23: Global: Cellular IoT (NB-IoT) Market Forecast: Sales Value (in Million US\$), 2023-2028

2023-2028

Figure 24: Global: Cellular IoT (5G) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Cellular IoT (5G) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Cellular IoT (Agriculture) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Cellular IoT (Agriculture) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Cellular IoT (Automotive and Transportation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Cellular IoT (Automotive and Transportation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Cellular IoT (Consumer Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Cellular IoT (Consumer Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Cellular IoT (Energy) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Cellular IoT (Energy) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Cellular IoT (Environment Monitoring) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: Cellular IoT (Environment Monitoring) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Cellular IoT (Healthcare) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: Cellular IoT (Healthcare) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Global: Cellular IoT (Retail) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Global: Cellular IoT (Retail) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Global: Cellular IoT (Smart Cities) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Global: Cellular IoT (Smart Cities) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Global: Cellular IoT (Other End Uses) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Global: Cellular IoT (Other End Uses) Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 44: North America: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: North America: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: United States: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: United States: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Canada: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Canada: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Asia-Pacific: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Asia-Pacific: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: China: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: China: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Japan: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Japan: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: India: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: India: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: South Korea: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: South Korea: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Australia: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Australia: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Indonesia: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Indonesia: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Others: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Others: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Europe: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Europe: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Germany: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Germany: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: France: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: France: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: United Kingdom: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: United Kingdom: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Italy: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Italy: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Spain: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Spain: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Russia: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Russia: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Others: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Others: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Latin America: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Latin America: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Brazil: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Brazil: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 86: Mexico: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 87: Mexico: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 88: Others: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 89: Others: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 90: Middle East and Africa: Cellular IoT Market: Sales Value (in Million US\$), 2017 & 2022

Figure 91: Middle East and Africa: Cellular IoT Market: Breakup by Country (in %), 2022

Figure 92: Middle East and Africa: Cellular IoT Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 93: Global: Cellular IoT Industry: SWOT Analysis

Figure 94: Global: Cellular IoT Industry: Value Chain Analysis

Figure 95: Global: Cellular IoT Industry: Porter's Five Forces Analysis



## I would like to order

Product name: Cellular IoT Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/CEF9AE402976EN.html>

Price: US\$ 2,499.00 (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/CEF9AE402976EN.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

