

# **Global IoT Chip Market Size Study, by Hardware (Processor, Sensor, Connectivity IC, Memory Device, Logic Device, Others), by Industry Vertical (Automotive, Banking Financial Services and Insurance, Retail, Healthcare, Consumer Electronics, Industrial, Others) and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/GB75DC9D0C11EN.html>

Date: July 2024

Pages: 200

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

ID: GB75DC9D0C11EN

## **Abstracts**

Global IoT Chip Market is valued approximately at USD 493.78 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.3% over the forecast period 2024-2032. IoT chips are specialized integrated circuits embedded in machines, objects, and things. These chips utilize embedded technologies such as processors, sensors, connectivity ICs, memory devices, and logic devices to provide connectivity, data processing, and communication in IoT sensors and smart gateways. IoT chips play a crucial role in collecting, transmitting, and processing data within IoT systems, enabling seamless integration and functionality of interconnected devices. The increased deployment of 5G networks significantly drives the IoT chip market. With 5G's enhanced speed, reduced latency, and increased capacity, there is a growing need for IoT chips and 5G IoT chipsets to support the proliferation of interconnected devices. The Asia-Pacific region, particularly China, is a significant participant in the IoT chipset industry, driven by high investments in the consumer electronics sector, which propels the growth of the IoT chip industry in the region.

The market dynamics are fueled by the rising demand for connected devices across various industries such as healthcare, automotive, agriculture, and smart homes. Connected devices enable real-time information access, process automation, and productivity enhancement, thereby driving the growth of the IoT chips market. For instance, the International Data Corporation (IDC) indicated that worldwide smartphone

shipments reached a total of 1.24 billion units in 2022. However, the high cost of deployment and maintenance of IoT chips poses a significant restraint. The initial costs, along with ongoing expenses for maintenance, upgrades, and connectivity services, can be prohibitive, particularly for small and medium-sized enterprises (SMEs), limiting adoption and hindering market growth. The rapid expansion of Industry 4.0 presents a significant opportunity for the IoT chip market. Industry 4.0 relies heavily on IoT solutions for automation, data exchange, and smart decision-making. IoT chips play a significant role in connecting machinery, sensors, and devices on the factory floor, facilitating real-time monitoring, predictive maintenance, and optimization of production processes. As businesses embrace digital transformation, the demand for IoT chips capable of supporting Industry 4.0 applications is growing.

The key regions considered for the global IoT Chip Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the IoT Chip Market in terms of revenue. The market growth in the region is being attributed to factors including rapid adoption of IoT across sectors such as healthcare, automotive, and smart homes, the increasing demand for high-performance and low-power chips, robust R&D investments in IoT technologies, and the presence of a strong semiconductor ecosystem, fueling the growth of the IoT chip market. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rapid urbanization, increasing government support for digital initiatives, the burgeoning e-commerce and consumer electronics industries, and the rising demand for smart infrastructure and connected devices across various sectors, driving the need for efficient and low-power IoT chip solutions.

Major market players included in this report are:

Samsung Electronics Co. Ltd

Analog Devices Inc.

Microchip Technology Inc.

Texas Instruments Incorporated

Infineon Technologies AG

STMicroelectronics NV

Intel Corporation

Qualcomm Technologies Inc.

NXP Semiconductors NV

MediaTek Inc.

The detailed segments and sub-segment of the market are explained below:

By Hardware:

Processor

Sensor

Connectivity IC

Memory Device

Logic Device

Others

By Industry Vertical:

Automotive

Banking Financial Services and Insurance

Retail

Healthcare

Consumer Electronics

Industrial

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL IOT CHIP MARKET EXECUTIVE SUMMARY**

- 1.1. Global IoT Chip Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Hardware
  - 1.3.2. By Industry Vertical
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL IOT CHIP MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL IOT CHIP MARKET DYNAMICS**

- 3.1. Market Drivers

- 3.1.1. Rise in Demand for Connected Devices
- 3.1.2. Increased Deployment of 5G Networks
- 3.1.3. Rapid Expansion of Industry 4.0
- 3.2. Market Challenges
  - 3.2.1. High Cost of Deployment and Maintenance
  - 3.2.2. Complexity of IoT Deployments
- 3.3. Market Opportunities
  - 3.3.1. Increasing Adoption of IoT Solutions
  - 3.3.2. Ongoing Technological Advancements
  - 3.3.3. Growing Demand for Specialized Solutions in Industrial Environments

## **CHAPTER 4. GLOBAL IOT CHIP MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL IOT CHIP MARKET SIZE & FORECASTS BY HARDWARE 2022-2032**

- 5.1. Segment Dashboard
- 5.2. Global IoT Chip Market: Hardware Revenue Trend Analysis, 2022 & 2032 (USD)



Billion)

- 5.2.1. Processor
- 5.2.2. Sensor
- 5.2.3. Connectivity IC
- 5.2.4. Memory Device
- 5.2.5. Logic Device
- 5.2.6. Others

## **CHAPTER 6. GLOBAL IOT CHIP MARKET SIZE & FORECASTS BY INDUSTRY VERTICAL 2022-2032**

6.1. Segment Dashboard

6.2. Global IoT Chip Market: Industry Vertical Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 6.2.1. Automotive
- 6.2.2. Banking Financial Services and Insurance
- 6.2.3. Retail
- 6.2.4. Industrial
- 6.2.5. Healthcare
- 6.2.6. Consumer Electronics
- 6.2.7. Others

## **CHAPTER 7. GLOBAL IOT CHIP MARKET SIZE & FORECASTS BY REGION 2022-2032**

7.1. North America IoT Chip Market

- 7.1.1. U.S. IoT Chip Market
  - 7.1.1.1. Hardware breakdown size & forecasts, 2022-2032
  - 7.1.1.2. Industry Vertical breakdown size & forecasts, 2022-2032
- 7.1.2. Canada IoT Chip Market

7.2. Europe IoT Chip Market

- 7.2.1. U.K. IoT Chip Market
- 7.2.2. Germany IoT Chip Market
- 7.2.3. France IoT Chip Market
- 7.2.4. Spain IoT Chip Market
- 7.2.5. Italy IoT Chip Market
- 7.2.6. Rest of Europe IoT Chip Market

7.3. Asia-Pacific IoT Chip Market

- 7.3.1. China IoT Chip Market

- 7.3.2. India IoT Chip Market
- 7.3.3. Japan IoT Chip Market
- 7.3.4. Australia IoT Chip Market
- 7.3.5. South Korea IoT Chip Market
- 7.3.6. Rest of Asia Pacific IoT Chip Market
- 7.4. Latin America IoT Chip Market
  - 7.4.1. Brazil IoT Chip Market
  - 7.4.2. Mexico IoT Chip Market
  - 7.4.3. Rest of Latin America IoT Chip Market
- 7.5. Middle East & Africa IoT Chip Market
  - 7.5.1. Saudi Arabia IoT Chip Market
  - 7.5.2. South Africa IoT Chip Market
  - 7.5.3. Rest of Middle East & Africa IoT Chip Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Samsung Electronics Co. Ltd
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. Analog Devices Inc.
  - 8.3.3. Microchip Technology Inc.
  - 8.3.4. Texas Instruments Incorporated
  - 8.3.5. Infineon Technologies AG
  - 8.3.6. STMicroelectronics NV
  - 8.3.7. Intel Corporation
  - 8.3.8. Qualcomm Technologies Inc.
  - 8.3.9. NXP Semiconductors NV
  - 8.3.10. MediaTek Inc.

## **CHAPTER 9. RESEARCH PROCESS**

## 9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

## 9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. Global IoT Chip Market, report scope

TABLE 2. Global IoT Chip Market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global IoT Chip Market estimates & forecasts by Hardware 2022-2032 (USD Billion)

TABLE 4. Global IoT Chip Market estimates & forecasts by Industry Vertical 2022-2032 (USD Billion)

TABLE 5. Global IoT Chip Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 6. Global IoT Chip Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Global IoT Chip Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Global IoT Chip Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global IoT Chip Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Global IoT Chip Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Global IoT Chip Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Global IoT Chip Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Global IoT Chip Market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Global IoT Chip Market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. U.S. IoT Chip Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. IoT Chip Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. U.S. IoT Chip Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. Canada IoT Chip Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada IoT Chip Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada IoT Chip Market estimates & forecasts by segment 2022-2032  
(USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global IoT Chip Market, research methodology
- FIG 2. Global IoT Chip Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global IoT Chip Market, key trends 2023
- FIG 5. Global IoT Chip Market, growth prospects 2022-2032
- FIG 6. Global IoT Chip Market, porters 5 force model
- FIG 7. Global IoT Chip Market, PESTEL analysis
- FIG 8. Global IoT Chip Market, value chain analysis
- FIG 9. Global IoT Chip Market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global IoT Chip Market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global IoT Chip Market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global IoT Chip Market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global IoT Chip Market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global IoT Chip Market, regional snapshot 2022 & 2032
- FIG 15. North America IoT Chip Market 2022 & 2032 (USD Billion)
- FIG 16. Europe IoT Chip Market 2022 & 2032 (USD Billion)
- FIG 17. Asia pacific IoT Chip Market 2022 & 2032 (USD Billion)
- FIG 18. Latin America IoT Chip Market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa IoT Chip Market 2022 & 2032 (USD Billion)
- FIG 20. Global IoT Chip Market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

## I would like to order

Product name: Global IoT Chip Market Size Study, by Hardware (Processor, Sensor, Connectivity IC, Memory Device, Logic Device, Others), by Industry Vertical (Automotive, Banking Financial Services and Insurance, Retail, Healthcare, Consumer Electronics, Industrial, Others) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/GB75DC9D0C11EN.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/GB75DC9D0C11EN.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