

Global AIoT Perception Chip Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5ADB48F5D67EN.html>

Date: June 2026

Pages: 147

Price: US\$ 4,480.00 (Single User License)

ID: G5ADB48F5D67EN

Abstracts

The global AIoT Perception Chip market size is expected to reach \$ 12953 million by 2032, rising at a market growth of 28.4% CAGR during the forecast period (2026-2032).

In 2025, global AIoT Perception Chip production reached approximately 72.48 million units , with an average global market price of around US\$30 per unit.

AIoT perception chips are edge computing processors that integrate artificial intelligence (AI) and Internet of Things (IoT) technologies. They are designed to process and analyze multi-modal sensor data (such as images, audio, and motion) in real time, enabling environmental perception and intelligent decision-making. These chips typically integrate neural processing units (NPUs), digital signal processors (DSPs), and multiple sensor interfaces, allowing tasks like image recognition, voice processing, and motion detection to be executed locally on devices. This reduces reliance on cloud computing, enhances response speed, and improves data security, making them essential components in smart devices, autonomous systems, industrial IoT, and security applications.

The upstream of AIoT perception chips includes semiconductor materials (silicon wafers, photoresists), EDA design tools, and foundry and packaging companies such as TSMC, ASML, and Synopsys. The midstream consists of chip designers focusing on AI algorithms and SoC integration, including Qualcomm, NXP Semiconductors, Intel, and STMicroelectronics. Downstream applications span smartphones, smart homes, automotive ADAS, industrial automation, and medical devices, with end users such as Apple, Tesla, and Huawei. This forms a complete ecosystem from semiconductor infrastructure to chip design and intelligent device applications.

The AIoT perception chip market is experiencing rapid growth, driven by the proliferation of smart devices, advancements in autonomous driving, and industrial digitalization. With edge AI becoming mainstream, chips are evolving toward higher computing power, lower energy consumption, and multi-sensor integration, with image perception chips dominating the segment. The synergy between AI algorithms and hardware design is becoming the core competitive factor, pushing the industry toward platform-based ecosystems. However, challenges include high R&D costs, technological complexity, and concerns over data security and privacy. Overall, AIoT perception chips are transitioning from functional processors to intelligent decision-making cores, forming a critical infrastructure for future smart devices and industrial systems.

This report studies the global AIoT Perception Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AIoT Perception Chip and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of AIoT Perception Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AIoT Perception Chip total production and demand, 2021-2032, (Million Units)

Global AIoT Perception Chip total production value, 2021-2032, (USD Million)

Global AIoT Perception Chip production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global AIoT Perception Chip consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: AIoT Perception Chip domestic production, consumption, key domestic manufacturers and share

Global AIoT Perception Chip production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global AIoT Perception Chip production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global AIoT Perception Chip production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global AIoT Perception Chip market based on the following parameters - company overview, production, value, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NXP Semiconductors, Qualcomm, Intel, Texas Instruments, STMicroelectronics, Ambarella, Marvell, Imagination Technologies, Renesas Electronics, Onsemi, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AIoT Perception Chip market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global AIoT Perception Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AIoT Perception Chip Market, Segmentation by Type:

Image Perception Chips

Audio Perception Chips

Motion Perception Chips

Others

Global AIoT Perception Chip Market, Segmentation by Manufacturing Process:

28nm

16nm

7nm

Others

Global AIoT Perception Chip Market, Segmentation by Power Consumption:

Ultra-Low Power Consumption

Medium Power Consumption

High Power Consumption

Global AIoT Perception Chip Market, Segmentation by Application:

Automotive

Consumer Electronics

Industrial Control

Medical Devices

Others

Companies Profiled:

NXP Semiconductors

Qualcomm

Intel

Texas Instruments

STMicroelectronics

Ambarella

Marvell

Imagination Technologies

Renesas Electronics

Onsemi

MediaTek

Haisi Technology

Realtek

Foxlink

Maxio

Rockchip Electronics

UNISOC

Key Questions Answered:

1. How big is the global AIoT Perception Chip market?
2. What is the demand of the global AIoT Perception Chip market?
3. What is the year over year growth of the global AIoT Perception Chip market?
4. What is the production and production value of the global AIoT Perception Chip market?
5. Who are the key producers in the global AIoT Perception Chip market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 AIoT Perception Chip Introduction
- 1.2 World AIoT Perception Chip Supply & Forecast
 - 1.2.1 World AIoT Perception Chip Production Value (2021 & 2025 & 2032)
 - 1.2.2 World AIoT Perception Chip Production (2021-2032)
 - 1.2.3 World AIoT Perception Chip Pricing Trends (2021-2032)
- 1.3 World AIoT Perception Chip Production by Region (Based on Production Site)
 - 1.3.1 World AIoT Perception Chip Production Value by Region (2021-2032)
 - 1.3.2 World AIoT Perception Chip Production by Region (2021-2032)
 - 1.3.3 World AIoT Perception Chip Average Price by Region (2021-2032)
 - 1.3.4 North America AIoT Perception Chip Production (2021-2032)
 - 1.3.5 Europe AIoT Perception Chip Production (2021-2032)
 - 1.3.6 China AIoT Perception Chip Production (2021-2032)
 - 1.3.7 Japan AIoT Perception Chip Production (2021-2032)
 - 1.3.8 South Korea AIoT Perception Chip Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 AIoT Perception Chip Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 AIoT Perception Chip Major Market Trends

2 DEMAND SUMMARY

- 2.1 World AIoT Perception Chip Demand (2021-2032)
- 2.2 World AIoT Perception Chip Consumption by Region
 - 2.2.1 World AIoT Perception Chip Consumption by Region (2021-2026)
 - 2.2.2 World AIoT Perception Chip Consumption Forecast by Region (2027-2032)
- 2.3 United States AIoT Perception Chip Consumption (2021-2032)
- 2.4 China AIoT Perception Chip Consumption (2021-2032)
- 2.5 Europe AIoT Perception Chip Consumption (2021-2032)
- 2.6 Japan AIoT Perception Chip Consumption (2021-2032)
- 2.7 South Korea AIoT Perception Chip Consumption (2021-2032)
- 2.8 ASEAN AIoT Perception Chip Consumption (2021-2032)
- 2.9 India AIoT Perception Chip Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World AIoT Perception Chip Production Value by Manufacturer (2021-2026)
- 3.2 World AIoT Perception Chip Production by Manufacturer (2021-2026)
- 3.3 World AIoT Perception Chip Average Price by Manufacturer (2021-2026)
- 3.4 AIoT Perception Chip Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global AIoT Perception Chip Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for AIoT Perception Chip in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for AIoT Perception Chip in 2025
- 3.6 AIoT Perception Chip Market: Overall Company Footprint Analysis
 - 3.6.1 AIoT Perception Chip Market: Region Footprint
 - 3.6.2 AIoT Perception Chip Market: Company Product Type Footprint
 - 3.6.3 AIoT Perception Chip Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: AIoT Perception Chip Production Value Comparison
 - 4.1.1 United States VS China: AIoT Perception Chip Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: AIoT Perception Chip Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: AIoT Perception Chip Production Comparison
 - 4.2.1 United States VS China: AIoT Perception Chip Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: AIoT Perception Chip Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: AIoT Perception Chip Consumption Comparison
 - 4.3.1 United States VS China: AIoT Perception Chip Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: AIoT Perception Chip Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based AIoT Perception Chip Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based AIoT Perception Chip Manufacturers, Headquarters and

Production Site (States, Country)

4.4.2 United States Based Manufacturers AIoT Perception Chip Production Value (2021-2026)

4.4.3 United States Based Manufacturers AIoT Perception Chip Production (2021-2026)

4.5 China Based AIoT Perception Chip Manufacturers and Market Share

4.5.1 China Based AIoT Perception Chip Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers AIoT Perception Chip Production Value (2021-2026)

4.5.3 China Based Manufacturers AIoT Perception Chip Production (2021-2026)

4.6 Rest of World Based AIoT Perception Chip Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based AIoT Perception Chip Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers AIoT Perception Chip Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers AIoT Perception Chip Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World AIoT Perception Chip Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Image Perception Chips

5.2.2 Audio Perception Chips

5.2.3 Motion Perception Chips

5.2.4 Others

5.3 Market Segment by Type

5.3.1 World AIoT Perception Chip Production by Type (2021-2032)

5.3.2 World AIoT Perception Chip Production Value by Type (2021-2032)

5.3.3 World AIoT Perception Chip Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY MANUFACTURING PROCESS

6.1 World AIoT Perception Chip Market Size Overview by Manufacturing Process: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Manufacturing Process

6.2.1 28nm

6.2.2 16nm

6.2.3 7nm

6.2.4 Others

6.3 Market Segment by Manufacturing Process

6.3.1 World AIoT Perception Chip Production by Manufacturing Process (2021-2032)

6.3.2 World AIoT Perception Chip Production Value by Manufacturing Process (2021-2032)

6.3.3 World AIoT Perception Chip Average Price by Manufacturing Process (2021-2032)

7 MARKET ANALYSIS BY POWER CONSUMPTION

7.1 World AIoT Perception Chip Market Size Overview by Power Consumption: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Power Consumption

7.2.1 Ultra-Low Power Consumption

7.2.2 Medium Power Consumption

7.2.3 High Power Consumption

7.3 Market Segment by Power Consumption

7.3.1 World AIoT Perception Chip Production by Power Consumption (2021-2032)

7.3.2 World AIoT Perception Chip Production Value by Power Consumption (2021-2032)

7.3.3 World AIoT Perception Chip Average Price by Power Consumption (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World AIoT Perception Chip Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Automotive

8.2.2 Consumer Electronics

8.2.3 Industrial Control

8.2.4 Medical Devices

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World AIoT Perception Chip Production by Application (2021-2032)

8.3.2 World AIoT Perception Chip Production Value by Application (2021-2032)

8.3.3 World AIoT Perception Chip Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 NXP Semiconductors

- 9.1.1 NXP Semiconductors Details
- 9.1.2 NXP Semiconductors Major Business
- 9.1.3 NXP Semiconductors AIoT Perception Chip Product and Services
- 9.1.4 NXP Semiconductors AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 NXP Semiconductors Recent Developments/Updates
- 9.1.6 NXP Semiconductors Competitive Strengths & Weaknesses
- 9.2 Qualcomm
- 9.2.1 Qualcomm Details
- 9.2.2 Qualcomm Major Business
- 9.2.3 Qualcomm AIoT Perception Chip Product and Services
- 9.2.4 Qualcomm AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Qualcomm Recent Developments/Updates
- 9.2.6 Qualcomm Competitive Strengths & Weaknesses
- 9.3 Intel
- 9.3.1 Intel Details
- 9.3.2 Intel Major Business
- 9.3.3 Intel AIoT Perception Chip Product and Services
- 9.3.4 Intel AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.3.5 Intel Recent Developments/Updates
- 9.3.6 Intel Competitive Strengths & Weaknesses
- 9.4 Texas Instruments
- 9.4.1 Texas Instruments Details
- 9.4.2 Texas Instruments Major Business
- 9.4.3 Texas Instruments AIoT Perception Chip Product and Services
- 9.4.4 Texas Instruments AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 Texas Instruments Recent Developments/Updates
- 9.4.6 Texas Instruments Competitive Strengths & Weaknesses
- 9.5 STMicroelectronics
- 9.5.1 STMicroelectronics Details
- 9.5.2 STMicroelectronics Major Business
- 9.5.3 STMicroelectronics AIoT Perception Chip Product and Services
- 9.5.4 STMicroelectronics AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.5.5 STMicroelectronics Recent Developments/Updates
- 9.5.6 STMicroelectronics Competitive Strengths & Weaknesses

9.6 Ambarella

9.6.1 Ambarella Details

9.6.2 Ambarella Major Business

9.6.3 Ambarella AIoT Perception Chip Product and Services

9.6.4 Ambarella AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Ambarella Recent Developments/Updates

9.6.6 Ambarella Competitive Strengths & Weaknesses

9.7 Marvell

9.7.1 Marvell Details

9.7.2 Marvell Major Business

9.7.3 Marvell AIoT Perception Chip Product and Services

9.7.4 Marvell AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Marvell Recent Developments/Updates

9.7.6 Marvell Competitive Strengths & Weaknesses

9.8 Imagination Technologies

9.8.1 Imagination Technologies Details

9.8.2 Imagination Technologies Major Business

9.8.3 Imagination Technologies AIoT Perception Chip Product and Services

9.8.4 Imagination Technologies AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Imagination Technologies Recent Developments/Updates

9.8.6 Imagination Technologies Competitive Strengths & Weaknesses

9.9 Renesas Electronics

9.9.1 Renesas Electronics Details

9.9.2 Renesas Electronics Major Business

9.9.3 Renesas Electronics AIoT Perception Chip Product and Services

9.9.4 Renesas Electronics AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Renesas Electronics Recent Developments/Updates

9.9.6 Renesas Electronics Competitive Strengths & Weaknesses

9.10 Onsemi

9.10.1 Onsemi Details

9.10.2 Onsemi Major Business

9.10.3 Onsemi AIoT Perception Chip Product and Services

9.10.4 Onsemi AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Onsemi Recent Developments/Updates

- 9.10.6 Onsemi Competitive Strengths & Weaknesses
- 9.11 MediaTek
 - 9.11.1 MediaTek Details
 - 9.11.2 MediaTek Major Business
 - 9.11.3 MediaTek AIoT Perception Chip Product and Services
 - 9.11.4 MediaTek AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 MediaTek Recent Developments/Updates
 - 9.11.6 MediaTek Competitive Strengths & Weaknesses
- 9.12 Haisi Technology
 - 9.12.1 Haisi Technology Details
 - 9.12.2 Haisi Technology Major Business
 - 9.12.3 Haisi Technology AIoT Perception Chip Product and Services
 - 9.12.4 Haisi Technology AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Haisi Technology Recent Developments/Updates
 - 9.12.6 Haisi Technology Competitive Strengths & Weaknesses
- 9.13 Realtek
 - 9.13.1 Realtek Details
 - 9.13.2 Realtek Major Business
 - 9.13.3 Realtek AIoT Perception Chip Product and Services
 - 9.13.4 Realtek AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Realtek Recent Developments/Updates
 - 9.13.6 Realtek Competitive Strengths & Weaknesses
- 9.14 Foxlink
 - 9.14.1 Foxlink Details
 - 9.14.2 Foxlink Major Business
 - 9.14.3 Foxlink AIoT Perception Chip Product and Services
 - 9.14.4 Foxlink AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Foxlink Recent Developments/Updates
 - 9.14.6 Foxlink Competitive Strengths & Weaknesses
- 9.15 Maxio
 - 9.15.1 Maxio Details
 - 9.15.2 Maxio Major Business
 - 9.15.3 Maxio AIoT Perception Chip Product and Services
 - 9.15.4 Maxio AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.15.5 Maxio Recent Developments/Updates
- 9.15.6 Maxio Competitive Strengths & Weaknesses
- 9.16 Rockchip Electronics
 - 9.16.1 Rockchip Electronics Details
 - 9.16.2 Rockchip Electronics Major Business
 - 9.16.3 Rockchip Electronics AIoT Perception Chip Product and Services
 - 9.16.4 Rockchip Electronics AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Rockchip Electronics Recent Developments/Updates
 - 9.16.6 Rockchip Electronics Competitive Strengths & Weaknesses
- 9.17 UNISOC
 - 9.17.1 UNISOC Details
 - 9.17.2 UNISOC Major Business
 - 9.17.3 UNISOC AIoT Perception Chip Product and Services
 - 9.17.4 UNISOC AIoT Perception Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 UNISOC Recent Developments/Updates
 - 9.17.6 UNISOC Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 AIoT Perception Chip Industry Chain
- 10.2 AIoT Perception Chip Upstream Analysis
 - 10.2.1 AIoT Perception Chip Core Raw Materials
 - 10.2.2 Main Manufacturers of AIoT Perception Chip Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 AIoT Perception Chip Production Mode
- 10.6 AIoT Perception Chip Procurement Model
- 10.7 AIoT Perception Chip Industry Sales Model and Sales Channels
 - 10.7.1 AIoT Perception Chip Sales Model
 - 10.7.2 AIoT Perception Chip Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World AIoT Perception Chip Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World AIoT Perception Chip Production Value by Region (2021-2026) & (USD Million)

Table 3. World AIoT Perception Chip Production Value by Region (2027-2032) & (USD Million)

Table 4. World AIoT Perception Chip Production Value Market Share by Region (2021-2026)

Table 5. World AIoT Perception Chip Production Value Market Share by Region (2027-2032)

Table 6. World AIoT Perception Chip Production by Region (2021-2026) & (Million Units)

Table 7. World AIoT Perception Chip Production by Region (2027-2032) & (Million Units)

Table 8. World AIoT Perception Chip Production Market Share by Region (2021-2026)

Table 9. World AIoT Perception Chip Production Market Share by Region (2027-2032)

Table 10. World AIoT Perception Chip Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World AIoT Perception Chip Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. AIoT Perception Chip Major Market Trends

Table 13. World AIoT Perception Chip Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World AIoT Perception Chip Consumption by Region (2021-2026) & (Million Units)

Table 15. World AIoT Perception Chip Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World AIoT Perception Chip Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key AIoT Perception Chip Producers in 2025

Table 18. World AIoT Perception Chip Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key AIoT Perception Chip Producers in 2025

Table 20. World AIoT Perception Chip Average Price by Manufacturer (2021-2026) &

(US\$/Unit)

Table 21. Global AIoT Perception Chip Company Evaluation Quadrant

Table 22. World AIoT Perception Chip Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and AIoT Perception Chip Production Site of Key Manufacturer

Table 24. AIoT Perception Chip Market: Company Product Type Footprint

Table 25. AIoT Perception Chip Market: Company Product Application Footprint

Table 26. AIoT Perception Chip Competitive Factors

Table 27. AIoT Perception Chip New Entrant and Capacity Expansion Plans

Table 28. AIoT Perception Chip Mergers & Acquisitions Activity

Table 29. United States VS China AIoT Perception Chip Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China AIoT Perception Chip Production Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 31. United States VS China AIoT Perception Chip Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)

Table 32. United States Based AIoT Perception Chip Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers AIoT Perception Chip Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers AIoT Perception Chip Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers AIoT Perception Chip Production (2021-2026) & (Million Units)

Table 36. United States Based Manufacturers AIoT Perception Chip Production Market Share (2021-2026)

Table 37. China Based AIoT Perception Chip Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers AIoT Perception Chip Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers AIoT Perception Chip Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers AIoT Perception Chip Production, (2021-2026) & (Million Units)

Table 41. China Based Manufacturers AIoT Perception Chip Production Market Share (2021-2026)

Table 42. Rest of World Based AIoT Perception Chip Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers AIoT Perception Chip Production Value,

(2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers AIoT Perception Chip Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers AIoT Perception Chip Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers AIoT Perception Chip Production Market Share (2021-2026)

Table 47. World AIoT Perception Chip Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World AIoT Perception Chip Production by Type (2021-2026) & (Million Units)

Table 49. World AIoT Perception Chip Production by Type (2027-2032) & (Million Units)

Table 50. World AIoT Perception Chip Production Value by Type (2021-2026) & (USD Million)

Table 51. World AIoT Perception Chip Production Value by Type (2027-2032) & (USD Million)

Table 52. World AIoT Perception Chip Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World AIoT Perception Chip Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World AIoT Perception Chip Production Value by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Table 55. World AIoT Perception Chip Production by Manufacturing Process (2021-2026) & (Million Units)

Table 56. World AIoT Perception Chip Production by Manufacturing Process (2027-2032) & (Million Units)

Table 57. World AIoT Perception Chip Production Value by Manufacturing Process (2021-2026) & (USD Million)

Table 58. World AIoT Perception Chip Production Value by Manufacturing Process (2027-2032) & (USD Million)

Table 59. World AIoT Perception Chip Average Price by Manufacturing Process (2021-2026) & (US\$/Unit)

Table 60. World AIoT Perception Chip Average Price by Manufacturing Process (2027-2032) & (US\$/Unit)

Table 61. World AIoT Perception Chip Production Value by Power Consumption, (USD Million), 2021 & 2025 & 2032

Table 62. World AIoT Perception Chip Production by Power Consumption (2021-2026) & (Million Units)

Table 63. World AIoT Perception Chip Production by Power Consumption (2027-2032) & (Million Units)

Table 64. World AIoT Perception Chip Production Value by Power Consumption (2021-2026) & (USD Million)

Table 65. World AIoT Perception Chip Production Value by Power Consumption (2027-2032) & (USD Million)

Table 66. World AIoT Perception Chip Average Price by Power Consumption (2021-2026) & (US\$/Unit)

Table 67. World AIoT Perception Chip Average Price by Power Consumption (2027-2032) & (US\$/Unit)

Table 68. World AIoT Perception Chip Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World AIoT Perception Chip Production by Application (2021-2026) & (Million Units)

Table 70. World AIoT Perception Chip Production by Application (2027-2032) & (Million Units)

Table 71. World AIoT Perception Chip Production Value by Application (2021-2026) & (USD Million)

Table 72. World AIoT Perception Chip Production Value by Application (2027-2032) & (USD Million)

Table 73. World AIoT Perception Chip Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World AIoT Perception Chip Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. NXP Semiconductors Basic Information, Manufacturing Base and Competitors

Table 76. NXP Semiconductors Major Business

Table 77. NXP Semiconductors AIoT Perception Chip Product and Services

Table 78. NXP Semiconductors AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. NXP Semiconductors Recent Developments/Updates

Table 80. NXP Semiconductors Competitive Strengths & Weaknesses

Table 81. Qualcomm Basic Information, Manufacturing Base and Competitors

Table 82. Qualcomm Major Business

Table 83. Qualcomm AIoT Perception Chip Product and Services

Table 84. Qualcomm AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Qualcomm Recent Developments/Updates

Table 86. Qualcomm Competitive Strengths & Weaknesses

Table 87. Intel Basic Information, Manufacturing Base and Competitors

Table 88. Intel Major Business

Table 89. Intel AIoT Perception Chip Product and Services

Table 90. Intel AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Intel Recent Developments/Updates

Table 92. Intel Competitive Strengths & Weaknesses

Table 93. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 94. Texas Instruments Major Business

Table 95. Texas Instruments AIoT Perception Chip Product and Services

Table 96. Texas Instruments AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Texas Instruments Recent Developments/Updates

Table 98. Texas Instruments Competitive Strengths & Weaknesses

Table 99. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 100. STMicroelectronics Major Business

Table 101. STMicroelectronics AIoT Perception Chip Product and Services

Table 102. STMicroelectronics AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. STMicroelectronics Recent Developments/Updates

Table 104. STMicroelectronics Competitive Strengths & Weaknesses

Table 105. Ambarella Basic Information, Manufacturing Base and Competitors

Table 106. Ambarella Major Business

Table 107. Ambarella AIoT Perception Chip Product and Services

Table 108. Ambarella AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Ambarella Recent Developments/Updates

Table 110. Ambarella Competitive Strengths & Weaknesses

Table 111. Marvell Basic Information, Manufacturing Base and Competitors

Table 112. Marvell Major Business

Table 113. Marvell AIoT Perception Chip Product and Services

Table 114. Marvell AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Marvell Recent Developments/Updates

Table 116. Marvell Competitive Strengths & Weaknesses

Table 117. Imagination Technologies Basic Information, Manufacturing Base and Competitors

Table 118. Imagination Technologies Major Business

Table 119. Imagination Technologies AIoT Perception Chip Product and Services

Table 120. Imagination Technologies AIoT Perception Chip Production (Million Units),

Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Imagination Technologies Recent Developments/Updates

Table 122. Imagination Technologies Competitive Strengths & Weaknesses

Table 123. Renesas Electronics Basic Information, Manufacturing Base and Competitors

Table 124. Renesas Electronics Major Business

Table 125. Renesas Electronics AIoT Perception Chip Product and Services

Table 126. Renesas Electronics AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Renesas Electronics Recent Developments/Updates

Table 128. Renesas Electronics Competitive Strengths & Weaknesses

Table 129. Onsemi Basic Information, Manufacturing Base and Competitors

Table 130. Onsemi Major Business

Table 131. Onsemi AIoT Perception Chip Product and Services

Table 132. Onsemi AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Onsemi Recent Developments/Updates

Table 134. Onsemi Competitive Strengths & Weaknesses

Table 135. MediaTek Basic Information, Manufacturing Base and Competitors

Table 136. MediaTek Major Business

Table 137. MediaTek AIoT Perception Chip Product and Services

Table 138. MediaTek AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. MediaTek Recent Developments/Updates

Table 140. MediaTek Competitive Strengths & Weaknesses

Table 141. Haisi Technology Basic Information, Manufacturing Base and Competitors

Table 142. Haisi Technology Major Business

Table 143. Haisi Technology AIoT Perception Chip Product and Services

Table 144. Haisi Technology AIoT Perception Chip Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Haisi Technology Recent Developments/Updates

Table 146. Haisi Technology Competitive Strengths & Weaknesses

Table 147. Realtek Basic Information, Manufacturing Base and Competitors

Table 148. Realtek Major Business

Table 149. Realtek AIoT Perception Chip Product and Services

Table 150. Realtek AIoT Perception Chip Production (Million Units), Price (US\$/Unit),

Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Realtek Recent Developments/Updates

Table 152. Realtek Competitive Strengths & Weaknesses

Table 153. Foxlink Basic Information, Manufacturing Base and Competitors

Table 154. Foxlink Major Business

Table 155. Foxlink AIoT Perception Chip Product and Services

Table 156. Foxlink AIoT Perception Chip Production (Million Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Foxlink Recent Developments/Updates

Table 158. Foxlink Competitive Strengths & Weaknesses

Table 159. Maxio Basic Information, Manufacturing Base and Competitors

Table 160. Maxio Major Business

Table 161. Maxio AIoT Perception Chip Product and Services

Table 162. Maxio AIoT Perception Chip Production (Million Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Maxio Recent Developments/Updates

Table 164. Maxio Competitive Strengths & Weaknesses

Table 165. Rockchip Electronics Basic Information, Manufacturing Base and
Competitors

Table 166. Rockchip Electronics Major Business

Table 167. Rockchip Electronics AIoT Perception Chip Product and Services

Table 168. Rockchip Electronics AIoT Perception Chip Production (Million Units), Price
(US\$/Unit), Production Value (USD Million), Gross Margin and Market Share
(2021-2026)

Table 169. Rockchip Electronics Recent Developments/Updates

Table 170. Rockchip Electronics Competitive Strengths & Weaknesses

Table 171. UNISOC Basic Information, Manufacturing Base and Competitors

Table 172. UNISOC Major Business

Table 173. UNISOC AIoT Perception Chip Product and Services

Table 174. UNISOC AIoT Perception Chip Production (Million Units), Price (US\$/Unit),
Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. UNISOC Recent Developments/Updates

Table 176. UNISOC Competitive Strengths & Weaknesses

Table 177. Global Key Players of AIoT Perception Chip Upstream (Raw Materials)

Table 178. Global AIoT Perception Chip Typical Customers

Table 179. AIoT Perception Chip Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. AIoT Perception Chip Picture

Figure 2. World AIoT Perception Chip Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World AIoT Perception Chip Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World AIoT Perception Chip Production (2021-2032) & (Million Units)

Figure 5. World AIoT Perception Chip Average Price (2021-2032) & (US\$/Unit)

Figure 6. World AIoT Perception Chip Production Value Market Share by Region (2021-2032)

Figure 7. World AIoT Perception Chip Production Market Share by Region (2021-2032)

Figure 8. North America AIoT Perception Chip Production (2021-2032) & (Million Units)

Figure 9. Europe AIoT Perception Chip Production (2021-2032) & (Million Units)

Figure 10. China AIoT Perception Chip Production (2021-2032) & (Million Units)

Figure 11. Japan AIoT Perception Chip Production (2021-2032) & (Million Units)

Figure 12. South Korea AIoT Perception Chip Production (2021-2032) & (Million Units)

Figure 13. AIoT Perception Chip Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 16. World AIoT Perception Chip Consumption Market Share by Region (2021-2032)

Figure 17. United States AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 18. China AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 19. Europe AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 20. Japan AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 21. South Korea AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 22. ASEAN AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 23. India AIoT Perception Chip Consumption (2021-2032) & (Million Units)

Figure 24. Producer Shipments of AIoT Perception Chip by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for AIoT Perception Chip Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for AIoT Perception Chip Markets in 2025

Figure 27. United States VS China: AIoT Perception Chip Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: AIoT Perception Chip Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: AIoT Perception Chip Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers AIoT Perception Chip Production Market Share 2025

Figure 31. China Based Manufacturers AIoT Perception Chip Production Market Share 2025

Figure 32. Rest of World Based Manufacturers AIoT Perception Chip Production Market Share 2025

Figure 33. World AIoT Perception Chip Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World AIoT Perception Chip Production Value Market Share by Type in 2025

Figure 35. Image Perception Chips

Figure 36. Audio Perception Chips

Figure 37. Motion Perception Chips

Figure 38. Others

Figure 39. World AIoT Perception Chip Production Market Share by Type (2021-2032)

Figure 40. World AIoT Perception Chip Production Value Market Share by Type (2021-2032)

Figure 41. World AIoT Perception Chip Average Price by Type (2021-2032) & (US\$/Unit)

Figure 42. World AIoT Perception Chip Production Value by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Figure 43. World AIoT Perception Chip Production Value Market Share by Manufacturing Process in 2025

Figure 44. 28nm

Figure 45. 16nm

Figure 46. 7nm

Figure 47. Others

Figure 48. World AIoT Perception Chip Production Market Share by Manufacturing Process (2021-2032)

Figure 49. World AIoT Perception Chip Production Value Market Share by Manufacturing Process (2021-2032)

Figure 50. World AIoT Perception Chip Average Price by Manufacturing Process (2021-2032) & (US\$/Unit)

Figure 51. World AIoT Perception Chip Production Value by Power Consumption, (USD

Million), 2021 & 2025 & 2032

Figure 52. World AIoT Perception Chip Production Value Market Share by Power Consumption in 2025

Figure 53. Ultra-Low Power Consumption

Figure 54. Medium Power Consumption

Figure 55. High Power Consumption

Figure 56. World AIoT Perception Chip Production Market Share by Power Consumption (2021-2032)

Figure 57. World AIoT Perception Chip Production Value Market Share by Power Consumption (2021-2032)

Figure 58. World AIoT Perception Chip Average Price by Power Consumption (2021-2032) & (US\$/Unit)

Figure 59. World AIoT Perception Chip Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World AIoT Perception Chip Production Value Market Share by Application in 2025

Figure 61. Automotive

Figure 62. Consumer Electronics

Figure 63. Industrial Control

Figure 64. Medical Devices

Figure 65. Others

Figure 66. World AIoT Perception Chip Production Market Share by Application (2021-2032)

Figure 67. World AIoT Perception Chip Production Value Market Share by Application (2021-2032)

Figure 68. World AIoT Perception Chip Average Price by Application (2021-2032) & (US\$/Unit)

Figure 69. AIoT Perception Chip Industry Chain

Figure 70. AIoT Perception Chip Procurement Model

Figure 71. AIoT Perception Chip Sales Model

Figure 72. AIoT Perception Chip Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

I would like to order

Product name: Global AIoT Perception Chip Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G5ADB48F5D67EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5ADB48F5D67EN.html>