

# Asia Pacific Application Specific Integrated Circuit Market Size study, by Product Type (Full Custom ASIC, Semi-custom ASIC, Programmable ASIC) by Application (Telecommunication, Industrial, Automotive, Consumer Electronics, Others) and Country Forecasts 2022-2032

<https://marketpublishers.com/r/A8FF413B5994EN.html>

Date: July 2024

Pages: 200

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

ID: A8FF413B5994EN

## Abstracts

Asia Pacific Application Specific Integrated Circuit Market is valued approximately USD 7.73 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 5.95% over the forecast period 2024-2032. An Application-Specific Integrated Circuit (ASIC) is a type of integrated circuit chip that is custom-designed for a particular use or application, as opposed to a general-purpose integrated circuit. This means that the ASIC is designed to perform a specific task very well, but it cannot be easily modified to perform a different task. The key trend of Asia Pacific Application Specific Integrated Circuit Market is growing adoption of IoT and industrial automation in the region. The proliferation of Internet of Things (IoT) devices and the increasing trend towards industrial automation require customized ASICs for optimized performance, energy efficiency, and miniaturization.

Moreover, The Asia Pacific region is a hub for electronics manufacturing, with countries such as China, Japan, South Korea, and Taiwan being major producers of consumer electronics, industrial electronics, and automotive electronics. The high demand for advanced electronics in these countries fuels the growth of the ASIC market. Also, the rapid adoption of smartphones, tablets, wearable devices, and other consumer electronics in the region drives the need for customized integrated circuits, which are more efficient and tailored to specific functions. ASICs are ideal for such applications due to their high performance and low power consumption. Additionally, the automotive

industry in the Asia Pacific is expanding rapidly, particularly with the shift towards electric vehicles (EVs) and advanced driver-assistance systems (ADAS). ASICs play a crucial role in these technologies by providing customized solutions that improve performance and efficiency. However, the competition from alternative technologies, and high product costs are expected to hinder the Asia Pacific Application Specific Integrated Circuit Market growth during the forecast period 2024-2032.

The key Countries considered for the Asia Pacific Application Specific Integrated Circuit market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, China was the largest regional market in terms of revenue. China is a major hub for the production and consumption of consumer electronics such as smartphones, tablets, and smart home devices. The growing middle class and increasing disposable incomes are fueling this demand, which in turn drives the need for customized integrated circuits. Also, the automotive sector in China is experiencing rapid growth, particularly in the areas of electric vehicles (EVs) and autonomous driving. These technologies rely heavily on ASICs for efficient power management, control systems, and sensor processing. Moreover, India is expected to grow with the highest CAGR during the forecast period 2024-2032.

Major market player included in this report are:

Fujitsu Limited

Samsung Electronics

LG Corporation

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

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

By Product Type

Full Custom ASIC

Semi-custom ASIC

Programmable ASIC

By Application

Telecommunication  
Industrial  
Automotive  
Consumer Electronics  
Others  
By Region:  
Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC

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 country 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. ASIA PACIFIC APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
  - 1.3.1. Inclusion & Exclusion
  - 1.3.2. Limitations
  - 1.3.3. Supply Side Analysis
    - 1.3.3.1. Availability
    - 1.3.3.2. Infrastructure
    - 1.3.3.3. Regulatory Environment
    - 1.3.3.4. Market Competition
    - 1.3.3.5. Economic Viability (Consumer's Perspective)
  - 1.3.4. Demand Side Analysis
    - 1.3.4.1. Regulatory frameworks
    - 1.3.4.2. Technological Advancements
    - 1.3.4.3. Environmental Considerations
    - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Asia Pacific Application Specific Integrated Circuit Market Size & Forecast (2022-2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
  - 2.3.1. By Product Type
  - 2.3.2. By Application
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

### **CHAPTER 3. ASIA PACIFIC APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET DYNAMICS**

- 3.1. Market Drivers
- 3.2. Market Challenges
- 3.3. Market Opportunities

## **CHAPTER 4. ASIA PACIFIC APPLICATION SPECIFIC INTEGRATED CIRCUIT 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. ASIA PACIFIC APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET SIZE & FORECASTS BY PRODUCT TYPE 2022-2032**

- 5.1. Full Custom ASIC
- 5.2. Semi-custom ASIC
- 5.3. Programmable ASIC

## **CHAPTER 6. ASIA PACIFIC APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

- 6.1. Telecommunication
- 6.2. Industrial
- 6.3. Automotive
- 6.4. Consumer Electronics
- 6.5. Others

## **CHAPTER 7. ASIA PACIFIC APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET SIZE & FORECASTS BY COUNTRY 2022-2032**

- 7.1. China Application Specific Integrated Circuit Market
  - 7.1.1. Product Type breakdown size & forecasts, 2022-2032
  - 7.1.2. Application breakdown size & forecasts, 2022-2032
- 7.2. India Application Specific Integrated Circuit Market
- 7.3. Japan Application Specific Integrated Circuit Market
- 7.4. Australia Application Specific Integrated Circuit Market
- 7.5. South Korea Application Specific Integrated Circuit Market
- 7.6. Rest of Asia Pacific Application Specific Integrated Circuit 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. Fujitsu Limited
    - 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. Samsung Electronics,
  - 8.3.3. LG Corporation
  - 8.3.4. Company
  - 8.3.5. Company
  - 8.3.6. Company
  - 8.3.7. Company
  - 8.3.8. Company

8.3.9. Company

8.3.10. Company

## **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. Asia Pacific Application Specific Integrated Circuit market, report scope

TABLE 2. Asia Pacific Application Specific Integrated Circuit market estimates & forecasts by Country 2022-2032 (USD Billion)

TABLE 3. Asia Pacific Application Specific Integrated Circuit market estimates & forecasts by Product Type 2022-2032 (USD Billion)

TABLE 4. Asia Pacific Application Specific Integrated Circuit market estimates & forecasts by Application 2022-2032 (USD Billion)

TABLE 5. Asia Pacific Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 6. Asia Pacific Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Asia Pacific Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Asia Pacific Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Asia Pacific Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Asia Pacific Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Asia Pacific Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Asia Pacific Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Asia Pacific Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Asia Pacific Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. China Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. China Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. China Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. India Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)



TABLE 19. India Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. India Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 21. Japan Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 22. Japan Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 23. Japan Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 24. Australia Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 25. Australia Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 26. Australia Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 27. South Korea Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 28. South Korea Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 29. South Korea Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 30.

TABLE 31. RoAPAC Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 32. RoAPAC Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 33. RoAPAC Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 34. List of secondary sources, used in the study of Asia Pacific Application Specific Integrated Circuit Market.

TABLE 35. List of primary sources, used in the study of Asia Pacific Application Specific Integrated Circuit Market.

TABLE 36. Years considered for the study.

TABLE 37. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

FIG 1. Asia Pacific Application Specific Integrated Circuit market, research methodology

FIG 2. Asia Pacific Application Specific Integrated Circuit market, market estimation techniques

FIG 3. Asia Pacific market size estimates & forecast methods.

FIG 4. Asia Pacific Application Specific Integrated Circuit market, key trends 2023

FIG 5. Asia Pacific Application Specific Integrated Circuit market, growth prospects 2022-2032

FIG 6. Asia Pacific Application Specific Integrated Circuit market, porters 5 force model

FIG 7. Asia Pacific Application Specific Integrated Circuit market, pestel analysis

FIG 8. Asia Pacific Application Specific Integrated Circuit market, value chain analysis

FIG 9. Asia Pacific Application Specific Integrated Circuit market by segment, 2022 & 2032 (USD Billion)

FIG 10. Asia Pacific Application Specific Integrated Circuit market by segment, 2022 & 2032 (USD Billion)

FIG 11. Asia Pacific Application Specific Integrated Circuit market by segment, 2022 & 2032 (USD Billion)

FIG 12. Asia Pacific Application Specific Integrated Circuit market by segment, 2022 & 2032 (USD Billion)

FIG 13. Asia Pacific Application Specific Integrated Circuit market by segment, 2022 & 2032 (USD Billion)

FIG 14. Asia Pacific Application Specific Integrated Circuit market, Country snapshot 2022 & 2032

FIG 15. Asia pacific Application Specific Integrated Circuit market 2022 & 2032 (USD Billion)

FIG 16. Asia Pacific Application Specific Integrated Circuit market, company market share analysis (2023)

## I would like to order

Product name: Asia Pacific Application Specific Integrated Circuit Market Size study, by Product Type (Full Custom ASIC, Semi-custom ASIC, Programmable ASIC) by Application (Telecommunication, Industrial, Automotive, Consumer Electronics, Others) and Country Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/A8FF413B5994EN.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/A8FF413B5994EN.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