

Europe 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

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Abstracts

Europe Application Specific Integrated Circuit Market is valued approximately USD 2.90 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.01% over the forecast period 2024-2032. An Application-Specific Integrated Circuit (ASIC) is a type of integrated circuit (IC) that is tailored to a specific usage or application rather than being intended for general use. ASICs are designed to fulfil the specific needs of a certain task, resulting in great efficiency and optimization for their intended function. The key trend of Europe Application Specific Integrated Circuit Market in Europe is growing adoption of electric vehicles in the region. The increasing adoption of electric vehicles (EVs) is a significant driver for ASICs in Europe. ASICs are crucial for managing the complex electronic systems in EVs, including battery management, powertrain control, and infotainment systems.

Moreover, the push towards Industry 4.0 and smart manufacturing in Europe drives the need for custom, high-performance, and efficient integrated circuits. ASICs are critical for implementing advanced automation solutions, including robotics, machine learning, and Internet of Things (IoT) applications in industrial settings. Also, the expansion of 5G networks and the increasing demand for high-speed internet and communication services necessitate specialized hardware solutions. ASICs are essential for the development of 5G infrastructure, including base stations and networking equipment. Additionally, the growing consumer electronics market in Europe, with increasing

adoption of smart devices, wearables, and home automation systems, requires custom-designed integrated circuits for optimal performance and power efficiency. However, the fluctuating raw material prices, and availability of substitute are expected to hinder the Europe Application Specific Integrated Circuit Market growth during the forecast period 2024-2032.

The key countries considered for the Europe Application Specific Integrated Circuit market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany was the largest market in terms of revenue. Germany has a robust automotive industry, and ASICs are extensively used in automotive electronics for applications such as advanced driver-assistance systems (ADAS), infotainment systems, and powertrain control. The increasing adoption of electric vehicles (EVs) and autonomous vehicles further fuels the demand for ASICs in the automotive sector. Also, with the ongoing expansion of telecommunications networks and the deployment of 5G infrastructure, there is a growing demand for ASICs in networking equipment, data centers, and telecommunications infrastructure in Germany. Whereas, the United Kingdom is expected to grow with the highest CAGR during the forecast period 2024-2032.

Major market player included in this report are:

STMicroelectronics N.V.

Infineon Technologies AG

Company 3

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:
Europe
UK
Germany
France
Spain
Italy
ROE

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.

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. EUROPE 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. Europe 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. EUROPE APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET DYNAMICS

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

CHAPTER 4. EUROPE 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. EUROPE 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. EUROPE 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. EUROPE APPLICATION SPECIFIC INTEGRATED CIRCUIT MARKET SIZE & FORECASTS BY COUNTRY 2022-2032

- 7.1. U.K. 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. Germany Application Specific Integrated Circuit Market
- 7.3. France Application Specific Integrated Circuit Market
- 7.4. Spain Application Specific Integrated Circuit Market
- 7.5. Italy Application Specific Integrated Circuit Market
- 7.6. Rest of Europe 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. STMicroelectronics N.V.
 - 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. Infineon Technologies AG
 - 8.3.3. Company
 - 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. Europe Application Specific Integrated Circuit market, report scope
- TABLE 2. Europe Application Specific Integrated Circuit market estimates & forecasts by Country 2022-2032 (USD Billion)
- TABLE 3. Europe Application Specific Integrated Circuit market estimates & forecasts by Product Type 2022-2032 (USD Billion)
- TABLE 4. Europe Application Specific Integrated Circuit market estimates & forecasts by Application 2022-2032 (USD Billion)
- TABLE 5. Europe Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 6. Europe Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 7. Europe Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. Europe Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. Europe Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 10. Europe Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Europe Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 12. Europe Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Europe Application Specific Integrated Circuit market by segment, estimates & forecasts, 2022-2032 (USD Billion) Europe Application Specific Integrated Circuit market by country, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. UK Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. UK Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 16. UK Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 17. Germany Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 18. Germany Application Specific Integrated Circuit market estimates &

forecasts by segment 2022-2032 (USD Billion)

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

TABLE 20. France Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 21. France Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

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

TABLE 23. Italy Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 24. Italy Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

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

TABLE 26. Spain Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 27. Spain Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

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

TABLE 29. RoE Application Specific Integrated Circuit market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 30. RoE Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 31. RoE Application Specific Integrated Circuit market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 32. List of secondary sources, used in the study of Europe Application Specific Integrated Circuit Market.

TABLE 33. List of primary sources, used in the study of Europe Application Specific Integrated Circuit Market.

TABLE 34. Years considered for the study.

TABLE 35. Exchange rates considered

List Of Figures

LIST OF FIGURES

FIG 1. Europe Application Specific Integrated Circuit market, research methodology

FIG 2. Europe Application Specific Integrated Circuit market, market estimation techniques

FIG 3. Europe market size estimates & forecast methods.

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

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

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

FIG 7. Europe Application Specific Integrated Circuit market, pestel analysis

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

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

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

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

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

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

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

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

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

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