

Global Application Specific Integrated Circuit (ASIC) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G9266BDC1FFEN.html>

Date: June 2024

Pages: 105

Price: US\$ 3,480.00 (Single User License)

ID: G9266BDC1FFEN

Abstracts

According to our (Global Info Research) latest study, the global Application Specific Integrated Circuit (ASIC) market size was valued at USD 18110 million in 2023 and is forecast to a readjusted size of USD 23400 million by 2030 with a CAGR of 3.7% during review period.

Application-specific integrated circuits (ASICs) are customized integrated circuits designed for specific applications or functions.

The market for ASICs is driven by the increasing demand for customized and high-performance integrated circuits in various industries, including automotive, telecommunications, and consumer electronics.

The Global Info Research report includes an overview of the development of the Application Specific Integrated Circuit (ASIC) industry chain, the market status of Telecommunication (Full Custom Design ASIC, Semi-custom Design ASIC (Standard Cell Based ASIC and Gate Array Based ASIC)), Industrial (Full Custom Design ASIC, Semi-custom Design ASIC (Standard Cell Based ASIC and Gate Array Based ASIC)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Application Specific Integrated Circuit (ASIC).

Regionally, the report analyzes the Application Specific Integrated Circuit (ASIC) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Application Specific Integrated Circuit (ASIC)

market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Application Specific Integrated Circuit (ASIC) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Application Specific Integrated Circuit (ASIC) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Full Custom Design ASIC, Semi-custom Design ASIC (Standard Cell Based ASIC and Gate Array Based ASIC)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Application Specific Integrated Circuit (ASIC) market.

Regional Analysis: The report involves examining the Application Specific Integrated Circuit (ASIC) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Application Specific Integrated Circuit (ASIC) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Application Specific Integrated Circuit (ASIC):

Company Analysis: Report covers individual Application Specific Integrated Circuit (ASIC) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios,

partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Application Specific Integrated Circuit (ASIC) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Telecommunication, Industrial).

Technology Analysis: Report covers specific technologies relevant to Application Specific Integrated Circuit (ASIC). It assesses the current state, advancements, and potential future developments in Application Specific Integrated Circuit (ASIC) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Application Specific Integrated Circuit (ASIC) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Application Specific Integrated Circuit (ASIC) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Full Custom Design ASIC

Semi-custom Design ASIC (Standard Cell Based ASIC and Gate Array Based ASIC)

Programmable ASIC

Market segment by Application

Telecommunication

Industrial

Automotive

Consumer Electronics

Major players covered

Texas Instruments

Infineon Technologies

STMicroelectronics

Renesas Electronics

Analog Devices

Maxim Integrated Products

NXP Semiconductors

ON Semiconductor

Qualcomm

Intel Corporation

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Application Specific Integrated Circuit (ASIC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Application Specific Integrated Circuit (ASIC), with price, sales, revenue and global market share of Application Specific Integrated Circuit (ASIC) from 2019 to 2024.

Chapter 3, the Application Specific Integrated Circuit (ASIC) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Application Specific Integrated Circuit (ASIC) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Application Specific Integrated Circuit (ASIC) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Application Specific Integrated Circuit (ASIC).

Chapter 14 and 15, to describe Application Specific Integrated Circuit (ASIC) sales channel, distributors, customers, research findings and conclusion.

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