

Global Application-specific Integrated Circuit (ASIC) Market Growth 2025-2031

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Abstracts

The global Application-specific Integrated Circuit (ASIC) market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

An Application-Specific Integrated Circuit (ASIC) is an integrated circuit (IC) customized for a particular use, rather than intended for general-purpose use. For example, a chip designed to run in a digital voice recorder or a high-efficiency Bitcoin miner is an ASIC. Application-specific standard products (ASSPs) are intermediate between ASICs and industry standard integrated circuits like the 7400 series or the 4000 series

Standard-cell based design is a process of designing the ASICs with digital-logic features and creates efficient blocks with electric characteristics such as capacitance and inductance. Utilizing this, the manufacture of ASICs is done with high density and good electrical performance. Moreover, the standard cell-based ASICs can be used by any manufacturer in any product, regardless of the design complexity. Additionally, a standard cell can also produce a cost-effective design with less manufacturing time and can be integrated with internet protocol cores and static random access memory effectively.

LP Information, Inc. (LPI) ' newest research report, the "Application-specific Integrated Circuit (ASIC) Industry Forecast" looks at past sales and reviews total world Application-specific Integrated Circuit (ASIC) sales in 2024, providing a comprehensive analysis by

region and market sector of projected Application-specific Integrated Circuit (ASIC) sales for 2025 through 2031. With Application-specific Integrated Circuit (ASIC) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Application-specific Integrated Circuit (ASIC) industry.

This Insight Report provides a comprehensive analysis of the global Application-specific Integrated Circuit (ASIC) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Application-specific Integrated Circuit (ASIC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Application-specific Integrated Circuit (ASIC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Application-specific Integrated Circuit (ASIC) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Application-specific Integrated Circuit (ASIC).

This report presents a comprehensive overview, market shares, and growth opportunities of Application-specific Integrated Circuit (ASIC) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Full-custom Design

Standard-cell Based

Gate-array Based

Segmentation by Application:

Automobiles

Laptops

PCs

Smartbands

Smartphones

Smartwatches

Tablets

TVs

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Infineon Technologies

STMicroelectronics

Texas Instruments

Analog Devices

Maxim Integrated

NXP Semiconductors

ON Semiconductors

Renesas Electronics

Skyworks Solutions

Key Questions Addressed in this Report

What is the 10-year outlook for the global Application-specific Integrated Circuit (ASIC) market?

What factors are driving Application-specific Integrated Circuit (ASIC) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Application-specific Integrated Circuit (ASIC) market opportunities vary by end market size?

How does Application-specific Integrated Circuit (ASIC) break out by Type, by Application?

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