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Global Next Generation Integrated Circuit Market Growth (Status and Outlook) 2024-2030

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Abstracts

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According to this study, the global Next Generation Integrated Circuit market size will reach US$ 2039 million by 2030.

An integrated circuit or monolithic integrated circuit is a set of electronic circuits on one small flat piece (or 'chip') of semiconductor material, normally silicon. The integration of large numbers of tiny transistors into a small chip results in circuits that are orders of magnitude smaller, cheaper, and faster than those constructed of discrete electronic components. The IC's mass production capability, reliability and building-block approach to circuit design has ensured the rapid adoption of standardized ICs in place of designs using discrete transistors. ICs are now used in virtually all electronic equipment and have revolutionized the world of electronics. Computers, mobile phones, and other digital home appliances are now inextricable parts of the structure of modern societies, made possible by the small size and low cost of ICs.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US$142.1 billion, up 17.0% year-on-year, sales in Europe were US$53.8 billion, up 12.6% year-on-year, and sales

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in Japan were US$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US$336.2 billion, down 2.0% year-on-year.

This report presents a comprehensive overview, market shares, and growth opportunities of Next Generation Integrated Circuit market by product type, application, key players and key regions and countries.

Segmentation by product type:

Analog

Digital

Segmentation by Application:

Telecommunications

Military and Aerospace

Industrial Motors

Automotives

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

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Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Intel

Qualcomm

Analog Devices

Texas Instruments

On Semiconductors

Nxp Semiconductor

Atmel

Boeing

Stmicroelectronics

Nec Corporation

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