

Global Logic IC Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Logic IC market size is expected to reach \$ 307830 million by 2029, rising at a market growth of 10.0% CAGR during the forecast period (2023-2029).

Global key players of logic IC include Samsung Electronics, Intel Corporation, Texas Instruments, NXP Semiconductors and STMicroelectronics, etc. The top five players hold a share about 36%. Taiwan is the region with the largest share, which has a share about 29%, followed by China, with share about 28%. In terms of product, standard logic IC is the largest segment, with a share about 63%. And in terms of application, the largest application is consumer electronics, which has a share about 34%.

A logic IC (Integrated Circuit) is an electronic component that is designed to perform logical operations on input signals. It is a semiconductor device that contains multiple logic gates, which are interconnected to perform specific logical functions. The purpose of a logic IC is to provide a way to manipulate digital signals in order to control the operation of digital circuits. Logic ICs can be classified into two broad categories based on their function: combinational logic and sequential logic. Combinational logic ICs perform logical operations on their inputs to produce an output based solely on the current inputs. Examples of combinational logic ICs include AND gates, OR gates, NAND gates, NOR gates, XOR gates, and XNOR gates. Sequential logic ICs, on the other hand, perform logical operations on their inputs to produce an output that is dependent not only on the current inputs but also on the previous inputs and outputs. Examples of sequential logic ICs include flip-flops, registers, counters, and shift registers.

This report studies the global Logic IC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Logic IC, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Logic IC that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Logic IC total production and demand, 2018-2029, (M Units)

Global Logic IC total production value, 2018-2029, (USD Million)

Global Logic IC production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (M Units)

Global Logic IC consumption by region & country, CAGR, 2018-2029 & (M Units)

U.S. VS China: Logic IC domestic production, consumption, key domestic manufacturers and share

Global Logic IC production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (M Units)

Global Logic IC production by Type, production, value, CAGR, 2018-2029, (USD Million) & (M Units)

Global Logic IC production by Application production, value, CAGR, 2018-2029, (USD Million) & (M Units)

This reports profiles key players in the global Logic IC market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intel Corporation, Samsung Electronics, Texas Instruments, Qualcomm, STMicroelectronics, NXP Semiconductors, Onsemi, Broadcom and Renesas Electronics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Logic IC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Units) and average price (US\$/K Units) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Logic IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Logic IC Market, Segmentation by Type

Standard Logic IC

Application Specific IC

Global Logic IC Market, Segmentation by Application

Automotive

IT & Telecommunications

Consumer Electronics

Industrial

Other

Companies Profiled:

Intel Corporation

Samsung Electronics

Texas Instruments

Qualcomm

STMicroelectronics

NXP Semiconductors

Onsemi

Broadcom

Renesas Electronics

Microchip Technology

Analog Devices

Toshiba Corporation

Xilinx

ROHM

Nexperia

Diodes Incorporated

Key Questions Answered

1. How big is the global Logic IC market?
2. What is the demand of the global Logic IC market?
3. What is the year over year growth of the global Logic IC market?
4. What is the production and production value of the global Logic IC market?
5. Who are the key producers in the global Logic IC market?
6. What are the growth factors driving the market demand?

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