

# Global Logic IC Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Logic IC market size was valued at USD 157770 million in 2023 and is forecast to a readjusted size of USD 307830 million by 2030 with a CAGR of 10.0% during review period.

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.

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%.

The Global Info Research report includes an overview of the development of the Logic

IC industry chain, the market status of Automotive (Standard Logic IC, Application Specific IC), IT & Telecommunications (Standard Logic IC, Application Specific IC), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Logic IC.

Regionally, the report analyzes the Logic IC 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 Logic IC market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Logic IC 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 Logic IC 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 (M Units), revenue generated, and market share of different by Type (e.g., Standard Logic IC, Application Specific IC).

**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 Logic IC market.

**Regional Analysis:** The report involves examining the Logic IC 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 Logic IC market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Logic IC:

**Company Analysis:** Report covers individual Logic IC 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 Logic IC. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive, IT & Telecommunications).

**Technology Analysis:** Report covers specific technologies relevant to Logic IC. It assesses the current state, advancements, and potential future developments in Logic IC areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Logic IC 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

Logic IC 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

Standard Logic IC

Application Specific IC

### Market segment by Application

Automotive

IT & Telecommunications

Consumer Electronics

Industrial

Other

#### Major players covered

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

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 Logic IC product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Logic IC, with price, sales, revenue and global market share of Logic IC from 2019 to 2024.

Chapter 3, the Logic IC competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Logic IC 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 Logic IC 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 Logic IC.

Chapter 14 and 15, to describe Logic IC sales channel, distributors, customers, research findings and conclusion.

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