

Global Logic IC Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Logic IC market size will reach 227,847 Million USD in 2025 and is projected to reach 514,819 Million USD by 2032, with a CAGR of 12.35% (2025-2032). Notably, the China Logic IC market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Logic IC, short for Logic Integrated Circuit, is an electronic component that performs logical functions. It is a small chip that contains multiple interconnected transistors and other electronic components that work together to process and manipulate digital signals. Logic ICs are used to implement various logic functions, such as AND, OR, NOT, NAND, NOR, XOR, and XNOR gates. These gates form the building blocks of digital circuits and are essential for tasks like data processing, data storage, and control in electronic devices. Logic ICs are classified into different families based on their specific technology and performance characteristics, including TTL (Transistor-Transistor Logic), CMOS (Complementary Metal-Oxide-Semiconductor), and FPGA (Field-Programmable Gate Arrays). They are commonly used in computers, smartphones, digital cameras, automotive electronics, industrial automation, and many other electronic systems, enabling the efficient and reliable manipulation of digital signals in a wide range of applications.

The major global manufacturers of Logic IC include STMicroelectronics, Renesas electronics, Toshiba Corporation, Intel Corporation, Qualcomm Inc., Microchip

Technology Incorporated, Texas Instruments Incorporated, Diodes Incorporated, NXP Semiconductors N.V, STMicroelectronics N.V, Xilinx, Samsung Electronics Company Ltd, ROHM, ON Semiconductor Corporation, Toshiba, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Logic IC. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Logic IC market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Logic IC market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Logic IC industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Logic IC Include:

STMicroelectronics

Renesas electronics

Toshiba Corporation

Intel Corporation

Qualcomm Inc.

Microchip Technology Incorporated

Texas Instruments Incorporated

Diodes Incorporated

NXP Semiconductors N.V

STMicroelectronics N.V

Xilinx

Samsung Electronics Company Ltd

ROHM

ON Semiconductor Corporation

Toshiba

Logic IC Product Segment Include:

Standard Logic IC

Application Specific IC

Logic IC Product Application Include:

Automotive

IT & Telecommunications

Consumer Electronics

Industrial

Others

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