

Global Computer and Peripherals Standard Logic IC Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Computer and Peripherals Standard Logic IC market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Standard Logic ICs (Integrated Circuits) are fundamental components used in digital electronics to perform basic logic functions such as AND, OR, NOT, XOR, and more. These ICs are widely used in computer systems and peripherals to control data flow, manage signals, and enable various logical operations. They are essential for constructing digital circuits and forming the foundation of complex digital systems.

According to our Semiconductor Research Center, in 2022, the global semiconductor equipment was valued at US\$ 109 billion. China mainland, China Taiwan and South Korea have a combined market share over 70%. North America, Europe and Japan, have a combined market share of 23%. The key drivers are high performance computing, AI, cloud computing, Servers, 5G and EV (electric vehicle), etc.

This report is a detailed and comprehensive analysis for global Computer and Peripherals Standard Logic IC market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Computer and Peripherals Standard Logic IC market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Computer and Peripherals Standard Logic IC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Computer and Peripherals Standard Logic IC market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Computer and Peripherals Standard Logic IC market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Computer and Peripherals Standard Logic IC
To forecast future growth in each product and end-use market
To forecast future factors affecting the marketplace

This report profiles key players in the global Computer and Peripherals Standard Logic IC market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Diodes, NXP Semiconductors, Texas Instruments, Microchip Technology, ROHM, Toshiba, STMicroelectronics, ON Semiconductor, Taiwan Semiconductor, Skywork Solutions, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Computer and Peripherals Standard Logic IC market is split by Type and by Application.

For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

TTL IC (Transistor-transistor Logic)

CMOS Logic IC (Complementary Metal Oxide Semiconductor)

BiCMOS Logic IC (Bipolar CMOS)

Market segment by Application

Servers

Storage Networks

Network Switches

Routers

Wireless Base Stations

Others

Major players covered

Diodes

NXP Semiconductors

Texas Instruments

Microchip Technology

ROHM

Toshiba

STMicroelectronics

ON Semiconductor

Taiwan Semiconductor

Skywork Solutions

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

Chapter 2, to profile the top manufacturers of Computer and Peripherals Standard Logic IC, with price, sales quantity, revenue, and global market share of Computer and Peripherals Standard Logic IC from 2020 to 2025.

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

Chapter 4, the Computer and Peripherals Standard Logic IC breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market

share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Computer and Peripherals Standard Logic IC market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Computer and Peripherals Standard Logic IC.

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

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