

# Logic Semiconductor Market Size To Grow At A CAGR Of 6.1% In The Forecast Period Of 2023-2028

*Global Logic Semiconductor Market Size, Share, Trends, Price, Report and Forecast 2023-2028*

30 NORTH GOULD STREET, SHERIDAN, WYOMING, UNITED STATES, September 29, 2023 /EINPresswire.com/ -- Logic Semiconductor Market Outlook

According to a new report by Expert Market Research titled, "Global [Logic Semiconductor Market Size](#), Share, Analysis, Report and Forecast 2023-2028", the logic semiconductor market

is reached a value of USD 148.20 billion in 2022. Aided by the growing demand for advanced electronic devices and the rising utilisation of chips in essential technologies, the market is projected to further grow at a CAGR of 6.1% between 2023 and 2028 to reach a value of USD 157.24 billion by 2028.

Logic semiconductors are crucial components in digital circuits and are primarily used for data computation, processing, and storage in electronic devices. They are designed to perform logical operations and function as the building blocks of electronic devices such as smartphones, computers, and IoT devices. They are pivotal in making these devices smarter, faster, and more efficient, hence playing a significant role in technological advancement and digital transformation.

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The increasing demand for sophisticated electronic devices is a key driver propelling the global logic semiconductor market growth. With the evolution of technology and the proliferation of smart devices, there has been a substantial shift towards more advanced and feature-rich electronic products. This transition has led to a surge in demand for high-performance logic



semiconductors. Furthermore, the rising trend of digitalisation and the growing penetration of IoT devices have boosted the popularity of logic semiconductors, as they form the core of these digitally-enabled systems.

The expanding applications of logic semiconductors in various industries significantly contribute to the logic semiconductor market development. In the automotive industry, for instance, logic semiconductors are extensively used in the development of advanced driver-assistance systems (ADAS) and electric vehicles. In the medical industry, they are used in medical imaging devices and health monitoring systems. The use of logic semiconductors in the development of advanced robotic systems and artificial intelligence applications further underscores their importance in the current technological landscape.

Moreover, the increasing focus on enhancing computational power and energy efficiency in the electronics industry has led to an elevated emphasis on logic semiconductors, propelling the logic semiconductor market growth. With the growing environmental concerns and the push for energy-efficient devices, the need for high-performance, low-power logic semiconductors has grown significantly.

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Lastly, the rising trends of miniaturisation and integration in electronic devices have opened new avenues for the development of advanced logic semiconductors. The growth of wearables and the increasing demand for compact yet powerful devices are expected to further stimulate the logic semiconductor market expansion.

## Logic Semiconductor Market Segmentation

The market can be divided based on type, end use, and region.

### Market Breakup by Type

Special Purpose Logic

Display Drivers

General Purpose Logic

Application Specific Integrated Circuit

Programmable Logic Devices

### Market Breakup by End Use

Communication

Consumer Electronics

Automotive

Manufacturing  
Others

Market Breakup by Region

North America  
Europe  
Asia Pacific  
Latin America  
Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global logic semiconductor companies. Some of the major key players explored in the report by Expert Market Research are as follows:

Intel Corporation  
Taiwan Semiconductor Manufacturing Company  
Samsung Electronics Co., Ltd  
STMicroelectronics  
Lattice Semiconductor Corporation  
Advanced Micro Devices, Inc  
NXP Semiconductors N.V  
Fuji Electric Co., Ltd  
Renesas Electronics Corporation  
Teledyne Technologies Incorporated  
Others

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