

# Semiconductor Logic Market: Trends, Opportunities and Competitive Analysis [2023-2028]

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## Abstracts

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### Semiconductor Logic Market Trends and Forecast

The future of the global semiconductor logic market looks promising with opportunities in the consumer electronic, aerospace and defense, automotive, industrial, healthcare, telecommunication and networking, manufacturing, and communication industries. The global semiconductor logic market is expected to reach an estimated \$185.8 billion by 2028 with a CAGR of 8.0% from 2023 to 2028. The major drivers for this market are an increase in demand for consumer electronics and automobiles along with rise in demand to reduce power consumption of electronic devices and modernization of telecommunication infrastructure.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### Semiconductor Logic Market by Segment

The study includes a forecast for the global semiconductor logic market by product, type, end use industry, and region, as follows:

Semiconductor Logic Market by Product [Value (\$B) Shipment Analysis from 2017 to 2028]:

High End Programmable Logic ICs

## Ultra-Low Power Programmable Logic ICs

Mixed Signal Programmable Logic ICs

Programmable Logic Device

Programmable Logic ICs

Others

Semiconductor Logic Market by Type [Value (\$B) Shipment Analysis from 2017 to 2028]:

Special Purpose Logic

Display Drivers

Semiconductor Logic Market by End User Industry [Value (\$B) Shipment Analysis from 2017 to 2028]:

Consumer Electronics

Aerospace and Defense

Automotive

Industrial

Healthcare

Telecommunication and Networking

Manufacturing

Communication

Others

Semiconductor Logic Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

#### List of Semiconductor Logic Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies semiconductor logic companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the semiconductor logic companies profiled in this report include.

Intel Corporation

Infineon Technologies

Renesas Electronics

NXP Semiconductors

STMicroelectronics

Broadcom Inc.

Samsung Electronics Co.

Texas Instruments

## Semiconductor Logic Market Insights

Lucintel forecast that programmable logic devices will remain the largest product segment over the forecast period due to increasing demand from various industries, such as consumer electronics, computer industrial control systems, and telecommunications.

Within this market, consumer electronics segment is projected to record the highest growth due to increasing disposable income, which has driven the demand for consumer electronic devices, such as smartphones, laptops, and tablets.

Asia Pacific is expected to witness the highest growth during the forecast period due to an increase in demand for consumer electronics and automotive in emerging countries, such as China and India.

## Features of the Semiconductor Logic Market

**Market Size Estimates:** Semiconductor logic market size estimation in terms of value (\$B)

**Trend and Forecast Analysis:** Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

**Segmentation Analysis:** Semiconductor logic market size by various segments, such as by product, type, end use industry, and region

**Regional Analysis:** Semiconductor logic market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis on growth opportunities in different by product, type, end use industry, and regions for the semiconductor logic market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the semiconductor logic market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

Q1. What is the semiconductor logic market size?

Answer: The global semiconductor logic market is expected to reach an estimated \$185.8 billion by 2028.

Q2. What is the growth forecast for semiconductor logic market?

Answer: The global semiconductor logic market is expected to grow with a CAGR of 8.0% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the semiconductor logic market?

Answer: The major drivers for this market are an increase in demand for consumer electronics and automobiles along with rise in demand to reduce power consumption of electronic devices and modernization of telecommunication infrastructure.

Q4. What are the major segments for semiconductor logic market?

Answer: The future of the semiconductor logic market looks promising with opportunities in the consumer electronics, aerospace and defense, automotive, industrial, healthcare, telecommunication and networking, manufacturing, and communication industries.

Q5. Who are the key semiconductor logic companies?

Answer: Some of the key semiconductor logic companies are as follows:

Intel Corporation

Infineon Technologies

Renesas Electronics

NXP Semiconductors

STMicroelectronics

Broadcom Inc.

Samsung Electronics Co.

Texas Instruments

Q6. Which semiconductor logic segment will be the largest in future?

Answer: Lucintel forecast that programmable logic devices will remain the largest product segment over the forecast period due to increasing demand from various industries, such as consumer electronics, computer industrial control systems, and telecommunications.

Q7. In semiconductor logic market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to witness the highest growth during the forecast period due to an increase in demand for consumer electronics and automotive in emerging countries, such as China and India.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the global semiconductor logic market by product (high end programmable logic ICs, ultra-low power programmable logic ICs, mixed signal programmable logic ICs, programmable logic device, programmable logic ICs, and others), type (special purpose logic and display drivers), end use industry (consumer electronics, aerospace and defense, automotive, industrial, healthcare, telecommunication and networking, communication, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

- Q.2. Which segments will grow at a faster pace and why?
- Q.3. Which region will grow at a faster pace and why?
- Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?
- Q.5. What are the business risks and competitive threats in this market?
- Q.6. What are the emerging trends in this market and the reasons behind them?
- Q.7. What are some of the changing demands of customers in the market?
- Q.8. What are the new developments in the market? Which companies are leading these developments?
- Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?
- Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?
- Q.11. What M&A activity did occur in the last five years and how did they impact the industry?

For any questions related to semiconductor logic market or related to semiconductor logic companies, semiconductor logic market size, semiconductor logic market share, semiconductor logic analysis, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

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7.8: Texas Instruments

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