

## **United States Semiconductor Market Report and Forecast 2024-2032**

Market Report | 2023-11-22 | 140 pages | EMR Inc.

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### **Report description:**

United States Semiconductor Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the United States semiconductor market is projected to grow at a CAGR of 8.7% between 2024 and 2032. Aided by persistent technological advancements, escalating demand for electronic devices, and the burgeoning tech industry in the country, the market is expected to grow significantly by 2032.

Semiconductors, a crucial component of modern electronics, are materials that exhibit electrical conductivities intermediate to those of insulators and conductors. These vital components are present in almost every modern electronic device, including computers, smartphones, and even cars. They have become instrumental in the wave of digitalisation and technological growth, given their role in integrated circuits, memory devices, and transistors.

As per the United States semiconductor market analysis, the United States, being the epicentre of tech innovation with Silicon Valley at its helm, undeniably holds a dominant position in the global semiconductor industry. The push towards digitalisation, the proliferation of IoT (Internet of Things) devices, and the adoption of artificial intelligence and machine learning in various sectors are key factors fuelling the market's growth.

Furthermore, the automotive industry's inclination towards electric vehicles (EVs) and autonomous driving technologies are some of the crucial United States semiconductor market trends that have remarkably uplifted the demand for advanced semiconductors. This is in sync with the U.S. government's initiatives to promote green energy and the general public's growing environmental consciousness.

Another notable trend spurring the semiconductor market is the accelerated adoption of 5G technology across the U.S. The infrastructure required for 5G relies heavily on high-performance semiconductors to ensure rapid data transmission, minimal latency, and efficient connectivity, further contributing to the United States semiconductor market growth.

Substantial investments in research and development and collaborative ventures are being prioritised by major players in the U.S. semiconductor space. Moreover, there's a heightened focus on ensuring sustainable and eco-friendly production processes to meet both environmental standards and consumer demand.

Additionally, as the boundaries of technology expand further, with prospects like quantum computing and augmented reality becoming mainstream, the role of semiconductors will be even more pronounced, further increasing the value of the United States

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semiconductor market size. The United States, with its pioneering spirit, robust infrastructure, and a culture of innovation, is strategically poised to lead future evolutions in the semiconductor market.

#### Market Segmentation □

The market can be divided based on products and application.

#### Market Breakup by Products

- Sensors/MEMS
- Microprocessors
- Optoelectronics
- Memory
- Analog/RF/Mixed signal
- Discrete
- Others

#### Market Breakup by Application

- Automotive
- Telecommunication
- Consumer Electronics
- Semiconductor and Defence
- Industrial
- Cloud Computing/Data Centre
- Healthcare
- Others

#### Competitive Landscape

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

- Intel Corporation
- Samsung Corporation
- NVIDIA Corporation
- Texas Instruments Incorporated
- Broadcom Inc.
- Micron Technology, Inc.
- Yaskawa America, Inc.
- Others

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