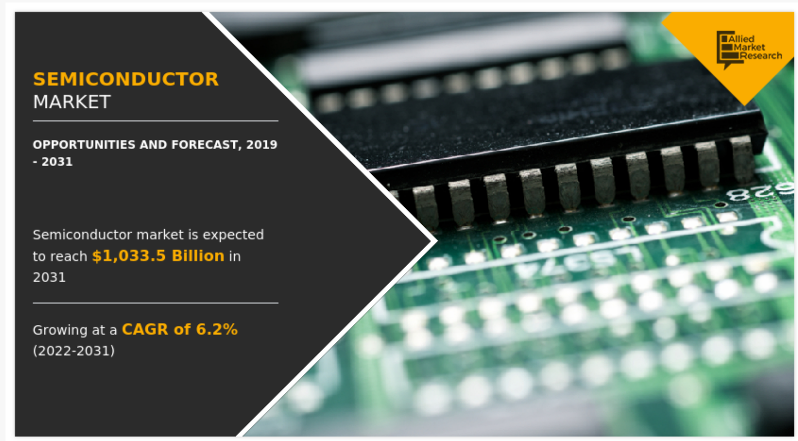
Semiconductor Market Expected to Reach $1033.5 Billion by 2031 | Industry, Revenue & Trends Analysis From 2021 To 2031

North America contributed for the major share in the semiconductor market size, accounting for more than 43.9% share in 2021.



Semiconductor Industry

PORTLAND, OR, UNITED STATES, October 19, 2022 /EINPresswire.com/ -- A semiconductor is a material product usually comprised of silicon, which conducts electricity more than an insulator, such as glass, but less than a pure conductor, such as copper or aluminum. Their conductivity and other properties can be altered with the introduction of impurities, called doping, to meet the specific needs of the electronic component in which it resides. Also known as semis, or chips, semiconductors can be found in thousands of products such as computers, smartphones, appliances, gaming hardware, and other electronic equipment.

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According to insights of CXOs of leading companies, the global semiconductor market is flourishing at a rapid pace. However, complexities in manufacturing and high initial investments are still a concern for new entrants. Market players are generously investing in R&D activities to develop improved techniques to decrease complication of semiconductor manufacturing. It is essential to optimize affordable prices for semiconductor products for long-term growth.

The semiconductor market provides numerous growth opportunities to market players. Emergence of artificial intelligence, internet of things and machine learning technologies is expected to create a market for Insulators as this technology aid memory chip to process large data in less time. Moreover, demand for faster and advanced memory chip in industrial application is expected to boost the semiconductor market size.

Over the past three decades, the [semiconductor industry] has experienced rapid growth and delivered enormous economic impact. Chip performance and cost improvements made possible the evolution from mainframes to PCs in the 1990s, the web and online services in the 2000s, and the smartphone revolution in the 2010s. The technological innovations have created incredible economic benefits. Semiconductors have become essential to the modern world, which is why long-term market demand for semiconductors remains strong.

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According to semiconductor market analysis, the logic devices segment was the highest contributor to the market in 2021. The 7/5nm and 5nm segments collectively accounted for around 41.8% semiconductor market share in 2021. The outbreak of the COVID-19 has significantly impacted the growth of the semiconductor industry.

The semiconductor industry is being held back by the constantly changing functionality of semiconductor chips and the unique demands of end-users from various industries. The factors such as Power efficiency, unrealistic schedules, and cost-down considerations are hindering the semiconductor market growth.

The semiconductor market key players profiled in the report include Broadcom Inc, Intel Corporation, Qualcomm Incorporated, Samsung Electronics Co Ltd, SK Hynix Inc., Taiwan Semiconductors, Texas Instruments Inc., Toshiba Corporation, Maxim Integrated Products Inc. and Micron Technology Inc. Market players have adopted various strategies, such as product launch, collaboration & partnership, joint venture, and acquisition, to expand their foothold in the semiconductor market.

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KEY FINDINGS OF THE STUDY

In 2021, the logic devices segment accounted for maximum revenue, and is projected to grow at a notable CAGR of 6.84% during the forecast period.
The 7/5nm and 5nm segments together accounted for around 41.8% of the semiconductor market trends in 2021.
The telecommunication segment is projected to growth at a CAGR of 7.71% during the forecast period.
North America contributed for the major share in the semiconductor market size, accounting for more than 43.9% share in 2021.
Key players profiled in the report include Broadcom Inc, Intel Corporation, Qualcomm Incorporated, Samsung Electronics Co Ltd, SK Hynix Inc., Taiwan Semiconductors, Texas Instruments Inc., Toshiba Corporation, Maxim Integrated Products Inc. and Micron Technology

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