

**Semiconductor Market Size, Share, and Analysis, By Component (Logic Devices, Memory Devices, MPU, Analog IC, Sensors, Discrete Power Devices, MCU, and Others), By Semiconductors Materials (Packaging, Fabrication), By Semiconductor Devices (Optoelectronics, Discrete Semiconductors, Sensors, Integrated Circuits), By Node Size (5nm, 7/5nm, 10/7nm, 16/14nm, 22/20nm, 32/28nm, 45/40nm, 65nm, 90nm, 130nm, 180nm), By Material Type (Silicon, Silicon carbide, Gallium Nitride, Gallium arsenide, Germanium), By Application (Consumer Electronics, Networking & Communications, Defence and Military, Data Processing, Industrial, Automotive, Telecommunication and Government, Others), By Type (Intrinsic Material, Extrinsic Material) and Regional Forecasts, 2022-2032**

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## Abstracts

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130nm, 180nm), By Material Type (Silicon, Silicon carbide, Gallium Nitride, Gallium arsenide, Germanium), By Application (Consumer Electronics, Networking & Communications, Defence and Military, Data Processing, Industrial, Automotive, Telecommunication and Government, Others), By Type (Intrinsic Material, Extrinsic Material) and Regional Forecasts, 2022-2032

## PRODUCT OVERVIEW

Semiconductor market size was USD 504.05 billion in 2021 and projected to grow from USD 591.9 billion in 2023 to USD 1234.4 billion by 2032, exhibiting a CAGR of 8.5% during the forecast period.

Semiconductor is a material having certain electrical properties which allow it to act as a base for few electronic devices like computers. It is generally a compound or solid chemical substance which transmits electricity in few situations and it makes it an essential medium to regulate the electrical current in electrical devices used at home. Semiconductors like memory chips are important and are required for several operations owing to the increasing advancements in technologies.

## MARKET HIGHLIGHTS

Semiconductor Market is expected to reach USD 1234.4 billion, growing at a CAGR of 8.5% during forecast period owing to the technological advancements like development of artificial intelligence (AI), acquiring of internet of things (IoT) has created several growth opportunities for the semiconductors market. Semiconductors are utilized to boost technologies that enhance ease for consumers by improving the businesses to run early, effectively and smarter.

Semiconductor Market Segments:

Component

Logic Devices

Memory Devices

MPU

Analog IC

Sensors

Discrete Power Devices

MCU

Others

Semiconductors Materials

Packaging

Fabrication

Semiconductor Devices

Optoelectronics

Discrete Semiconductors

Sensors

Integrated Circuits

Node Size

5nm

7/5nm

10/7nm

16/14nm

22/20nm

32/28nm

45/40nm

65nm

90nm

130nm

180nm

#### Material Type

Silicon

Silicon carbide

Gallium Nitride

Gallium arsenide

Germanium

#### Application

Consumer Electronics

Networking & Communications

Defence and Military

Data Processing

Industrial

Automotive

Telecommunication and Government

Others

Type

Intrinsic Material

Extrinsic Material

## MARKET DYNAMICS

### Growth Drivers

Growing Usage of Electronic Device is Expected to Boost the Growth of the Market

Increasing Demand for Integrated Circuits is Expected to Boost Market Growth

### Restraint

Tariff Charges Applied May Restrain the Growth of the Market

### Key Players

Qualcomm

NXP Semiconductors N.V.

Intel Corporation

Micron Technology

Broadcom, Inc.

Samsung Electronics

SK hynix

Toshiba Corporation

Taiwan Semiconductors

Texas Instruments

NVIDIA Corporation

Other Prominent Players

(Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation

Involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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