

## **Semiconductor Devices Industry Market: Global Industry Analysis, Trends, Market Size, and Forecasts up to 2032**

Market Report | 2025-05-30 | 255 pages | Infinium Global Research and Consulting Solutions

### **AVAILABLE LICENSES:**

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### **Report description:**

The report on the global semiconductor devices industry market provides qualitative and quantitative analysis for the period from 2022-2032. The global semiconductor devices industry market was valued at USD 676.38 billion in 2023 and is expected to reach USD 1903.11 billion in 2032, with a CAGR of 12.59% during the forecast period 2024-2032. The study on semiconductor devices industry market covers the analysis of the leading geographies such as North America, Europe, Asia Pacific, and RoW for the period of 2022-2032.

The report on semiconductor devices industry market is a comprehensive study and presentation of drivers, restraints, opportunities, demand factors, market size, forecasts, and trends in the global semiconductor devices industry market over the period of 2022-2032. Moreover, the report is a collective presentation of primary and secondary research findings.

Porter's five forces model in the report provides insights into the competitive rivalry, supplier and buyer positions in the market and opportunities for the new entrants in the global semiconductor devices industry market over the period of 2022-2032.

Further, IGR- Growth Matrix given in the report brings an insight into the investment areas that existing or new market players can consider.

### **Report Findings**

#### **1) Drivers**

- The growing adoption of electric and autonomous vehicles is driving the semiconductor devices industry market.
- The expansion of 5G networks is driving the growth in the semiconductor devices industry market.

#### **2) Restraints**

- Supply chain disruptions may hamper the growth of the semiconductor devices industry market.

#### **3) Opportunities**

- Advancements in emerging technologies and increasing digitalization across industries are creating opportunities for the semiconductor devices industry market.

### **Research Methodology**

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#### A) Primary Research

Our primary research involves extensive interviews and analysis of the opinions provided by the primary respondents. The primary research starts with identifying and approaching the primary respondents, the primary respondents are approached include

1. Key Opinion Leaders associated with Infinium Global Research
2. Internal and External subject matter experts
3. Professionals and participants from the industry

Our primary research respondents typically include

1. Executives working with leading companies in the market under review
2. Product/brand/marketing managers
3. CXO level executives
4. Regional/zonal/ country managers
5. Vice President level executives.

#### B) Secondary Research

Secondary research involves extensive exploring through the secondary sources of information available in both the public domain and paid sources. At Infinium Global Research, each research study is based on over 500 hours of secondary research accompanied by primary research. The information obtained through the secondary sources is validated through the crosscheck on various data sources.

The secondary sources of the data typically include

1. Company reports and publications
2. Government/institutional publications
3. Trade and associations journals
4. Databases such as WTO, OECD, World Bank, and among others.
5. Websites and publications by research agencies

#### Segment Covered

The global semiconductor devices industry market is segmented on the basis of material/compound, device type, and application.

#### The Global Semiconductor Devices Industry Market by Material/Compound

- Silicon (Si)
- Silicon Carbide (SiC)
- Gallium Nitride (GaN)
- Gallium Arsenide (GaAs)
- Others

#### The Global Semiconductor Devices Industry Market by Device Type

- Integrated Circuits (ICs)
- Discrete Semiconductors
- Optoelectronics Devices
- Sensors
- Others

#### The Global Semiconductor Devices Industry Market by Application

- Consumer Electronics
- Automotive
- Industrial
- Telecommunication

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- Aerospace & Defense
- Data Centers & Computing
- Others

#### Company Profiles

The companies covered in the report include

- Broadcom Inc.
- Texas Instruments Incorporated
- NVIDIA Corporation
- Advanced Micro Devices, Inc.
- Arm Limited
- Micron Technology, Inc.
- Analog Devices, Inc.
- Marvell Technology, Inc.
- Taiwan Semiconductor Manufacturing Company Limited
- Qualcomm Incorporated

#### What does this Report Deliver?

1. Comprehensive analysis of the global as well as regional markets of the semiconductor devices industry market.
2. Complete coverage of all the segments in the semiconductor devices industry market to analyze the trends, developments in the global market and forecast of market size up to 2032.
3. Comprehensive analysis of the companies operating in the global semiconductor devices industry market. The company profile includes analysis of product portfolio, revenue, SWOT analysis and latest developments of the company.
4. IGR- Growth Matrix presents an analysis of the product segments and geographies that market players should focus to invest, consolidate, expand and/or diversify.

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