

Industrial Semiconductors Market Size, Share, Revenue, Trends And Drivers For 2024-2033

*The Business Research Company's
Industrial Semiconductors Global Market
Report 2024 – Market Size, Trends, And
Global Forecast 2024-2033*



LONDON, GREATER LONDON, UK,
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The [industrial semiconductors market](#)

has experienced robust growth in recent years, expanding from \$67.58 billion in 2023 to \$76.3 billion in 2024 at a compound annual growth rate (CAGR) of 12.9%. The growth in the historic period can be attributed to the invention of the integrated circuit, the advent of consumer products, the rise of personal computers, the introduction of electronics in cars, early adoption of automation technologies.



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Strong Future Growth Anticipated

The industrial semiconductors market is projected to continue its strong growth, reaching \$124.73 billion in 2028 at a compound annual growth rate (CAGR) of 13.1%. The growth in the forecast period can be attributed to advances in manufacturing processes, increased demand for semiconductors, rising demand for power electronics in solar and wind energy systems, expansion of 5G networks,

efficiency and stability of the supply chain.

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Growth Driver Of The Industrial Semiconductors Market

The growing demand for automation is expected to propel the growth of the industrial semiconductors market going forward. Automation refers to using control systems and technology to operate machinery and processes with minimal human intervention. The growing demand for automation rises with a need for efficiency, productivity, and precision in various

industries through integrating advanced technologies and automated systems. Industrial automation uses semiconductors to control processes, power motors, and sensing environments, enabling communication within computerized systems.

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Major Players And Market Trends

Key players in the industrial semiconductors market include Hitachi Ltd, Panasonic Corporation, Mitsubishi Electric Corporation, Honeywell International Inc, Broadcom Inc, Advanced Micro Devices Inc.

Major companies operating in the industrial semiconductors market are focusing on developing innovative products, such as built-in Delta-Sigma modulators, to enhance precision and efficiency in data conversion and signal processing. The built-in delta-sigma modulator improves the accuracy and efficiency of data conversion procedures.

Segments:

- 1) By Type: Single-Mode, Multi-Mode
- 2) By Product: Integrated Circuits, Optoelectronics, Discrete Semiconductors, Sensors
- 3) By Application: Construction, Manufacturing, Automotive, Aerospace, Other Applications

Geographical Insights: Asia-Pacific Leading The Market

Asia-Pacific was the largest region in the industrial semiconductors market in 2023. The regions covered in the industrial semiconductors market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

Industrial Semiconductors Market Definition

Industrial semiconductors refer to electronic components specifically designed and manufactured for use in industrial applications. These applications can include automation, control systems, robotics, power management, and various other industrial processes. Industrial semiconductors are characterized by their durability, reliability, and often specialized functionality tailored to withstand harsh environmental conditions and operate reliably in industrial settings.

Industrial Semiconductors Global Market Report 2024 from The Business Research Company covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Industrial Semiconductors Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [industrial semiconductors market size](#), industrial semiconductors market drivers and trends, industrial semiconductors market major players, industrial semiconductors competitors' revenues, industrial semiconductors market positioning, and industrial semiconductors market growth across geographies. The industrial semiconductors market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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The Business Research Company has published over 15000+ reports in 27 industries, spanning 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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