

Semiconductor Intellectual Property (IP) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-11-02 | 146 pages | IMARC Group

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Report description:

The global semiconductor intellectual property (IP) market size reached US\$ 5.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 7.3 Billion by 2028, exhibiting a growth rate (CAGR) of 5.5% during 2022-2028.

A semiconductor intellectual property (SIP) refers to a reusable unit of a cell, logic or chip layout design. It is usually developed to be leased out to multiple vendors as a foundational component for various chip designs and sophisticated devices. It is pre-verified and often has a license fee attached to its usage. SIPs are commonly used for processors, peripherals, interconnects and memory drives. They are usually delivered as either soft IP blocks that are independent and can be synthesized according to any fabrication process, or hard IP blocks that are used only for specific implementations.

Significant growth in the electronics industry across the globe is one of the key factors creating a positive outlook for the market. Furthermore, widespread adoption of multicore technology for consumer electronics is strengthening the market growth. Smartphones, laptops and tablets run on dual-core or quad-core processors that require highly-efficient SIPs to provide error-free performance. In line with this, the rising demand for modern system-on-chip (SOC) designs is also contributing to the growth of the market. Various technological advancements, such as the integration of connected devices with the Internet of Things (IoT) and the utilization of graphene transistors, self-organizing molecular devices, carbon nanotubes, are acting as other growth-inducing factors. These devices can overcome the physical limitations of traditionally used semiconductor technologies and provide an improved service to the user. Other factors, including increasing utilization of SIPs for superior driver interfaces and in-cabin entertainment systems in automobiles, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global semiconductor intellectual property (IP) market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on IP type, revenue source, IP core, application and end use industry.

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Breakup by IP Type:

Processor IP
Interface IP
Memory IP
Others

Breakup by Revenue Source:

Royalty
Licensing
Services

Breakup by IP Core:

Soft Cores
Hard Cores

Breakup by Application:

IDM Firms
Foundries
Fabless Firms
Others

Breakup by End Use Industry:

Consumer Electronics
Telecom
Automotive
Healthcare
Others

Breakup by Region:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others

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Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Achronix Semiconductor Corporation, ARM Ltd. (SoftBank Group Corp.), Cadence Design Systems Inc., CEVA Inc., eMemory Technology Incorporated, Fujitsu Limited (Furukawa Group), Imagination Technologies Limited (Canyon Bridge Capital Partners, Inc.), Lattice Semiconductor Corp., Mentor Graphics Corporation (Siemens Aktiengesellschaft), Open-Silicon Inc. (SiFive), Rambus Inc. and Synopsys Inc.

Key Questions Answered in This Report:

How has the global semiconductor intellectual property (IP) market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global semiconductor intellectual property (IP) market?
What are the key regional markets?
What is the breakup of the market based on the IP type?
What is the breakup of the market based on the revenue source?
What is the breakup of the market based on the IP core?
What is the breakup of the market based on the application?
What is the breakup of the market based on the end use industry?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global semiconductor intellectual property (IP) market and who are the key players?
What is the degree of competition in the industry?

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