
Description:
Asia Pacific is the biggest market for semiconductor IP. The leading markets are China, India, Japan, South Korea, Taiwan and Singapore. This region is an electronics hub with millions of electronic devices being made every year for consumption in the region itself and also for exporting to other places. The electronics market is increasing year by year and so will the semiconductor IP market grow to keep up with the growth in the electronics industry.

Semiconductor IP are reusable design components such as cell, chip layout design etc. that can be used to make advanced integrated circuits. The IP rights are with one company that has the design for the chip and it licenses it to another company. They are also called IP core or IP block. The companies that exclusively are into this business model are called chip-less semiconductor firms. With the advancement in technology, there are billions of transistors on a chip. It is very difficult and also time consuming for a company to make the whole design of the chip from scratch. Instead companies buy semiconductor IP and build new chips modifying and combining the earlier designs.

The IP blocks are combined to create Application Specific Integrated Circuits (ASICs), System on-Chip (SoCs) and Application Specific Standard Products (ASSPs). These in turn are used to make chips for televisions, mobile phones, MP3 players, automobiles etc. It is a key market for the huge electronics industry. The semiconductor IP will help the electronics firm to increase their revenue and not waste time on designing the whole circuit every time.

Many of the best known IP cores are soft microprocessor designs. The IP core developers and licensors range in size from individuals to multi-billionaire corporations. The developers as well as their chip making customers are located throughout the world.

The Silicon IP industry is fairly new but has a stable growth. The most successful companies include ARM Ltd., Rambus Inc., Synopsys Inc., Motorola Mobility and more.

DRIVERS

The reducing manufacturing and design costs and the intense growth in electronics industry are the drivers of the semiconductor (silicon) IP market. The new technological developments and the increasing usage of various technologically forward devices also have a major role in driving the market demand for semiconductor IP market.

RESTRAINTS

The continuous changes in the development or functionality of chips might lead the market to a dead end and hence, for this multiple precautions need to be taken. Upgrading the equipment on a timely basis is what the focus of this market should be.

WHAT THE REPORT OFFERS

- Asia Pacific Semiconductor (Silicon) Intellectual Property Market Overview with information on drivers and restraints
- In-depth Semiconductor (Silicon) Intellectual Property Market Analysis and its applications in the industry
- Identification of factors responsible for changing the market scenarios, rising prospective opportunities and identification of key companies which can influence the market on global and regional scale
- Extensively researched competitive landscape with profiles of major companies along with their market shares
- A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information

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