Global Semiconductor (Silicon) Intellectual Property Market - Growth, Trends and Forecasts (2016 - 2021)

Description: The global semiconductor (silicon) intellectual property market is around $310 billion and is estimated to increase at a CAGR of 7.5% and reach $478.42 billion by the end of 2020.

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

- Global 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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1.1 Report Guidance
1.2 Markets Covered
1.3 Key Points Noted
2. Executive Summary
3. Market Overview
3.1 Introduction
3.2 Market Definition
3.3 Premium Insights
4. Drivers, Constraints and Opportunities
4.1 Drivers
4.1.1 Reducing Manufacturing and Design Costs
4.1.2 Intense growth in electronics industry
4.2 Constraints
4.2.1 Continuous changes in the chips
4.3 Opportunities
4.3.1 Scope for New Technology Innovations
4.3.2 Usage in various industries
5. Global Semiconductor IP Market, By Type of IC
5.1 Application Specific Integrated Circuits
5.2 Application Specific Standard Products
5.3 System-on-Chip
6. Global Semiconductor IP Market, By Application
6.1 Mobile phones and Tablets
6.2 Computers and Laptops
6.3 Television
6.4 Medicine
6.5 Industries
6.6 Aerospace
6.7 Automobile
6.8 Defence Industry
6.9 Telecom Industry
6.10 Others

7. Global Semiconductor IP Market, by Geography

7.1 Introduction

7.2 Asia-Pacific

7.2.1 Overview

7.2.2 Major Countries

7.2.2.1 China

7.2.2.1.1 Introduction

7.2.2.1.2 Market Demand to 2020

7.2.2.1.3 Recent Trends and Opportunities

7.2.2.2 India

7.2.2.2.1 Introduction

7.2.2.2.2 Market Demand to 2020

7.2.2.2.3 Recent Trends and Opportunities

7.2.2.3 Japan

7.2.2.3.1 Introduction

7.2.2.3.2 Market Demand to 2020

7.2.2.3.3 Recent Trends and Opportunities

7.2.2.4 South Korea

7.2.2.4.1 Introduction

7.2.2.4.2 Market Demand to 2020

7.2.2.4.3 Recent Trends and Opportunities

7.2.2.5 Others

7.2.3 North America

7.2.3.1 Overview

7.2.3.2 Major Countries

7.2.3.2.1 United States

7.2.3.2.1.1 Introduction

7.2.3.2.1.2 Market Demand to 2020

7.2.3.2.1.3 Recent Trends and Opportunities

7.2.3.2.2 Canada

7.2.3.2.2.1 Introduction
7.2.3.2.2 Market Demand to 2020
7.2.3.2.3 Recent Trends and Opportunities
7.2.4 Europe
7.2.4.1 Overview
7.2.4.2 Major Countries
7.2.4.2.1 United Kingdom
7.2.4.2.1.1 Introduction
7.2.4.2.1.2 Market Demand to 2020
7.2.4.2.1.3 Recent Trends and Opportunities
7.2.4.2.2 Germany
7.2.4.2.2.1 Introduction
7.2.4.2.2.2 Market Demand to 2020
7.2.4.2.2.3 Recent Trends and Opportunities
7.2.4.2.3 France
7.2.4.2.3.1 Introduction
7.2.4.2.3.2 Market Demand to 2020
7.2.4.2.3.3 Recent Trends and Opportunities
7.2.4.2.4 Others
7.2.5 Rest of the World
8. Competition
8.1 Overview
8.2 Market Share of Key Companies, by Geography
8.3 Market Share of Key Companies, by Type of IC
9. Company Profiles
9.1 ARM Ltd.
9.2 Rambus Inc.
9.3 Synopsys Inc.
9.4 Motorola Mobility
9.5 MIPS Technologies Inc.
9.6 Conversant Intellectual Property Management Inc.
9.7 Silicon Image Inc.
9.8 Cadence Design Systems Inc.
9.9 Imagination Technologies Ltd.
9.10 CEVA Inc.

10. Competitive Landscape
10.1 Deal Summary
10.1.1 Acquisition
10.1.2 Private Equity
10.1.3 Equity Offerings
10.1.4 Debt Offerings
10.1.5 Partnerships
10.1.6 Asset Transactions
10.2 Recent Developments
10.2.1 New Technology Inventions
10.2.2 New Contract Announcements

11. Appendix
11.1 Sources
11.2 Abbreviations
11.3 Market Definition
11.3.1 Methodology
11.3.2 Coverage
11.3.3 Secondary Research
11.3.4 Primary Research
11.3.5 Expert Panel Validation
11.4 Contact Us
11.5 Disclaimer

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