

# **Semiconductor (Silicon) IP Market by Form Factor (Integrated Circuit IP, SOC IP), Design Architecture (Hard IP, Soft IP), Processor Type (Microprocessor, DSP), Application, Geography and Verification IP - Forecast & Analysis to 2022**

<https://marketpublishers.com/r/S4CB8DD2A25EN.html>

Date: March 2016

Pages: 233

Price: US\$ 5,650.00 (Single User License)

ID: S4CB8DD2A25EN

## **Abstracts**

“The semiconductor IP market expected to witness significant growth in the coming years owing to the emerging IoT ecosystem”

The semiconductor IP market is expected to reach USD 7.01 billion by 2022 from USD 3.09 billion in 2015, at a CAGR of 10.55% between 2016 and 2022. The advancements in consumer electronics, growing demand for modern SoC chips, mitigation of the continuously rising chip design cost & expenditure, and demand for connected devices are expected to drive the semiconductor IP market during the forecast period.

“Internet of Things (IoT) likely to have new growth opportunities for semiconductor IPs”

The emerging IoT ecosystem is a major area of interest for semiconductor IP players. Over the past two years, they partnered with hardware, networking, and software companies, and a number of industry associations and academic consortiums, to develop formal and informal standards for IoT applications. For instance, AT&T, Cisco, GE, IBM, and Intel cofounded the Industrial Internet Consortium, whose primary goal is to establish interoperability standards across industrial environments so that data about fleets, machines, and facilities can be accessed and shared more reliably.

It is expected that the number of devices connected through IoT would increase from 15 billion in 2015 to around 50 billion devices by 2020. Most of these devices would not be conventional PCs or smartphones but a growing web of interconnected devices such as

home appliances, security systems, smart thermostats, smart meters, portable medical devices, health and fitness trackers, smart watches, and many other mobile products. They would be compact in size and low in cost, and some of these devices would operate and communicate autonomously.

In the process of determining and verifying the market size for several segments and sub-segments gathered through the secondary research, extensive primary interviews were conducted with key people. The break-up of profiles of primary participants is given below:

By Company Type: Tier 1% – 50%, Tier 2% – 30%, and Tier 3% – 20%

By Designation: C-level – 38%, Director Level – 28%, and Others – 34%

By Region: North America – 48%, Europe – 19%, APAC – 28%, and RoW – 5%

“Energy harvesting likely to be the most promising application of piezoelectric technology”

The growing demand for energy harvesting devices and increase in funding from investors and governments are expected to propel the growth of the piezoelectric devices market in the next five years.

The key market players profiled in the report are:

ARM Holdings Plc. (U.K.)

Synopsys, Inc. (U.S.)

Cadence Design Systems, Inc. (U.S.)

Imagination Technologies (U.K.)

Lattice Semiconductor (U.S.)

Ceva, Inc. (U.S.)

Rambus, Inc. (U.S.)

Mentor Graphics (U.S.)

eMemory Technology, Inc. (Taiwan)

Sonics, Inc. (U.S.)

Vivante Corporation, (U.S.)

Atmel Corporation (U.S.)

Renesas Electronics Corp. (Japan).

The report would help the companies in this market in the following ways:

The report segments the semiconductor IP market comprehensively and provides the closest approximations of the size of the overall market and sub-segments across different verticals and regions.

The report helps stakeholders understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

This report would help stakeholders understand the competitors better and gain more insights to enhance their position in the business.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
  - 1.3.1 MARKETS COVERED
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primaries
  - 2.1.3 MARKET SIZE ESTIMATION
    - 2.1.3.1 TOP-DOWN APPROACH
    - 2.1.3.2 BOTTOM-UP APPROACH
- 2.2 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.3 RESEARCH ASSUMPTIONS
  - 2.3.1 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE SEMICONDUCTOR IP MARKET
- 4.2 HIGH GROWTH OPPORTUNITIES IN DIGITAL SOC IP MARKET DURING THE FORECAST PERIOD
- 4.3 THE MARKET FOR MOBILE & TABLET APPLICATION HELD THE LARGEST MARKET
- 4.4 SEMICONDUCTOR IP MARKET, BY DSP PROCESSOR TYPE AND REGION

## 4.5 THE MARKET IN APAC EXPECTED TO GROW AT THE HIGHEST RATE IN THE SEMICONDUCTOR IP MARKET

## 5 MARKET OVERVIEW

### 5.1 INTRODUCTION

### 5.2 HISTORY AND EVOLUTION

### 5.3 MARKET SEGMENTATION

#### 5.3.1 BY FORM FACTOR

#### 5.3.2 BY DESIGN ARCHITECTURE

#### 5.3.3 BY PROCESSOR TYPE

#### 5.3.4 BY APPLICATION

### 5.4 MARKET DYNAMICS

#### 5.4.1 DRIVERS

##### 5.4.1.1 Emerging consumer devices market

5.4.1.2 Growing demand for modern SoC designs leading to semiconductor IP market growth

##### 5.4.1.3 Mitigation of the continuously rising chip design cost and expenditure

##### 5.4.1.4 Rising demand for connected devices

#### 5.4.2 RESTRAINTS

5.4.2.1 Technology shift expected to restrain the growth of the semiconductor IP market

#### 5.4.3 OPPORTUNITIES

5.4.3.1 Embedded DSP IP and programmable DSP IP segments to have a tremendous growth potential in the coming future

5.4.3.2 Avionics, aerospace and defense to provide huge market opportunities for the semiconductor IP market

#### 5.4.4 CHALLENGES

5.4.4.1 Intellectual property thefts, counterfeits, and conflicts to affect the global semiconductor IP market

## 6 INDUSTRY TRENDS

### 6.1 INTRODUCTION

### 6.2 VALUE CHAIN ANALYSIS

#### 6.2.1 VALUE CHAIN SEGMENTS

##### 6.2.1.1 IP Core Developers

##### 6.2.1.2 IP Licensing Vendors

##### 6.2.1.3 Open Source-IP vendors

6.2.1.4 IP Aggregators

6.2.1.5 IP Customers

## 6.3 INDUSTRY OUTLOOK

## 6.4 PORTER'S FIVE FORCES ANALYSIS

6.4.1 THREAT OF NEW ENTRANTS

6.4.2 THREAT OF SUBSTITUTES

6.4.3 BARGAINING POWER OF SUPPLIERS

6.4.4 BARGAINING POWER OF BUYERS

6.4.5 DEGREE OF COMPETITION

## 7 SEMICONDUCTOR IP MARKET, BY FORM FACTOR

### 7.1 INTRODUCTION

### 7.2 INTEGRATED CIRCUIT IP

7.2.1 GENERAL PURPOSE IC IP

7.2.2 APPLICATION-SPECIFIC IC IP

7.2.3 PROGRAMMABLE IC IP

7.2.4 DIGITAL IC IP

7.2.5 ANALOG & MIXED SIGNAL IC IP

7.2.6 MEMORY IC IP

7.2.7 DATA CONVERTER IC IP

### 7.3 SYSTEM-ON-CHIP(SOC) IP

7.3.1 SOC PROCESSOR IP

7.3.1.1 Meta MTP Embedded Processors

7.3.2 SOC ASIC IP

7.3.3 SOC PROGRAMMABLE IP

7.3.4 SOC DIGITAL IP

7.3.5 SOC ANALOG & MIXED SIGNAL IP

7.3.6 SOC MEMORY IP

7.3.6.1 SDRAM controllers

7.3.6.2 DDR SDRAM

7.3.6.3 HMC controllers

7.3.6.4 eMMC

7.3.6.5 Others

7.3.7 INTERFACE SOC IP

7.3.7.1 HDMI

7.3.7.2 SATA

7.3.7.3 USB

7.3.7.4 V-by-One HS

#### 7.3.7.5 Others

### 7.3.8 SOC DATA CONVERTER IP

#### 7.3.8.1 Analog to digital converter (ADC)

#### 7.3.8.2 Digital to analog converter (DAC)

##### 7.3.8.2.1 Risks in data converter IP deployment

### 7.3.9 OTHER SOC IP

#### 7.3.9.1 Input/output controller

#### 7.3.9.2 Receivers/transmitters

#### 7.3.9.3 Watchdog timer

## 8 SEMICONDUCTOR IP MARKET, BY DESIGN ARCHITECTURE

### 8.1 INTRODUCTION

### 8.2 SEMICONDUCTOR IP MARKET, BY IP NATURE

#### 8.2.1 IP CORES

##### 8.2.1.1 Hard IP core

##### 8.2.1.2 Soft IP core

### 8.3 SEMICONDUCTOR IP MARKET, BY CUSTOMIZATION

#### 8.3.1 STANDARD IP CORE

#### 8.3.2 CUSTOMIZABLE IP CORE

### 8.4 SEMICONDUCTOR IP MARKET, BY PROCESSOR DESIGN

#### 8.4.1 GENERAL PROCESSOR IP

#### 8.4.2 EMBEDDED PROCESSOR IP

##### 8.4.2.1 Single-core processor IP

##### 8.4.2.2 Multi-core processor IP

## 9 SEMICONDUCTOR IP MARKET, BY PROCESSOR TYPE

### 9.1 INTRODUCTION

### 9.2 MICROPROCESSOR CORE IP

#### 9.2.1 APPLICATION PROCESSOR IP

#### 9.2.2 GRAPHICS PROCESSOR IP

### 9.3 DIGITAL SIGNAL PROCESSOR IP

#### 9.3.1 DSP PROCESSOR CORE IP

##### 9.3.1.1 Standard DSP core IP

##### 9.3.1.2 Customizable DSP core IP

##### 9.3.1.3 DSP application-specific core IP

##### 9.3.1.4 DSP programmable core IP

## **10 SEMICONDUCTOR IP MARKET, BY APPLICATION**

- 10.1 INTRODUCTION
- 10.2 COMPUTERS & PERIPHERALS
- 10.3 NETWORKING TECHNOLOGIES
- 10.4 TELECOM INFRASTRUCTURE
- 10.5 SECURITY
  - 10.5.1 SECURE MICROCONTROLLERS
  - 10.5.2 SMART CARDS
- 10.6 MOBILES & TABLETS
- 10.7 HOME ENTERTAINMENT
- 10.8 AUTOMOTIVE
- 10.9 OTHER APPLICATIONS
  - 10.9.1 INDUSTRIAL
  - 10.9.2 MILITARY, DEFENSE & AEROSPACE
  - 10.9.3 MEDICAL
  - 10.9.4 IOT
  - 10.9.5 RF DEVICES

## **11 VERIFICATION IP MARKET, BY PROTOCOL**

- 11.1 INTRODUCTION
  - 11.1.1 MAJOR COMPANIES IN THE VERIFICATION IP MARKET
  - 11.1.2 MAJOR BENEFITS OF VERIFICATION IP
- 11.2 MIPI PROTOCOL
  - 11.2.1 MAJOR PROVIDERS IN THE MIPI PROTOCOL MARKET
- 11.3 BUS PROTOCOL
- 11.4 INTERFACE PROTOCOL
- 11.5 MEMORY MODELS AND PROTOCOL CHECKERS

## **12 REGIONAL ANALYSIS**

- 12.1 INTRODUCTION
- 12.2 NORTH AMERICA
  - 12.2.1 THE U.S.
  - 12.2.2 CANADA
  - 12.2.3 MEXICO
- 12.3 EUROPE
  - 12.3.1 GERMANY



- 12.3.2 THE U.K.
- 12.3.3 FRANCE
- 12.3.4 ITALY
- 12.3.5 NETHERLANDS
- 12.4 APAC (EXCLUDING JAPAN)
  - 12.4.1 CHINA
  - 12.4.2 SOUTH KOREA
  - 12.4.3 INDIA
  - 12.4.4 TAIWAN
  - 12.4.5 REST OF APAC
    - 12.4.5.1 Singapore and other countries
- 12.5 JAPAN
- 12.6 ROW

## **13 COMPETITIVE LANDSCAPE**

- 13.1 OVERVIEW
- 13.2 KEY PLAYERS IN THE SEMICONDUCTOR IP MARKET, 2015
- 13.3 COMPETITIVE SITUATION AND TRENDS
  - 13.3.1 NEW PRODUCT LAUNCHES
  - 13.3.2 AGREEMENTS, COLLABORATIONS, CONTRACTS, & PARTNERSHIPS
  - 13.3.3 ACQUISITIONS

## **14 COMPANY PROFILES**

(Overview, Products and Services, Financials, Strategy & Development)\*

- 14.1 ARM HOLDINGS PLC
- 14.2 SYNOPSYS, INC.
- 14.3 CADENCE DESIGN SYSTEMS, INC.
- 14.4 IMAGINATION TECHNOLOGIES
- 14.5 LATTICE SEMICONDUCTOR
- 14.6 CEVA, INC.
- 14.7 RAMBUS, INC.
- 14.8 MENTOR GRAPHICS
- 14.9 EMEMORY TECHNOLOGY, INC.
- 14.10 SONICS, INC.
- 14.11 VIVANTE CORPORATION
- 14.12 ATMEL CORPORATION

#### 14.13 RENESAS ELECTRONICS CORP.

\*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

### **15 APPENDIX**

#### 15.1 INSIGHTS OF INDUSTRY EXPERTS

#### 15.2 DISCUSSION GUIDE

#### 15.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

#### 15.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

#### 15.5 AVAILABLE CUSTOMIZATIONS

#### 15.6 RELATED REPORTS

## List Of Tables

### LIST OF TABLES

Table 1 SEMICONDUCTOR IP MARKET: BY FORM FACTOR

Table 2 SEMICONDUCTOR IP MARKET: BY DESIGN ARCHITECTURE

Table 3 SEMICONDUCTOR IP MARKET: BY PROCESSOR TYPE

Table 4 SEMICONDUCTOR IP MARKET: BY APPLICATION

Table 5 GLOBAL SEMICONDUCTOR IP MARKET DRIVERS

Table 6 GLOBAL SEMICONDCUTOR IP MARKET RESTRAINTS

Table 7 GLOBAL SEMICONDUCTOR IP MARKET OPPURTUNITIES

Table 8 GLOBAL SEMICONDUCTOR IP MARKET CHALLENGES

Table 9 SEMICONDUCTOR IP MARKET, BY FORM FACTOR, 2013-2022 (USD MILLION)

Table 10 SEMICONDUCTOR IP MARKET, BY IP CLASSIFICATION, 2013–2022 (USD MILLION)

Table 11 PROCESSOR IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 12 PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 13 ASIC IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 14 ASIC IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 15 PROGRAMMABLE IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 16 PROGRAMMABLE IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 17 DIGITAL IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 18 DIGITAL IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 19 ANALOG AND MIXED SIGNAL IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 20 ANALOG AND MIXED SIGNAL IP MARKET, BY GEOGRAPHY, 2013–2020 (USD MILLION)

Table 21 MEMORY IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 22 MEMORY IP MARKET, BY GEOGRAPHY, 2013–2020 (USD MILLION)

Table 23 INTERFACE IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 24 INTERFACE IP MARKET, BY GEOGRAPHY, 2013–2020 (USD MILLION)

Table 25 DATA CONVERTER IP MARKET, BY APPLICATION, 2013–2020 (USD MILLION)

Table 26 DATA CONVERTER IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 27 OTHER IP MARKET, BY APPLICATION, 2013–2020 (USD MILLION)

Table 28 OTHER IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 29 INTEGRATED CIRCUIT IP MARKET, BY TYPE, 2013–2022 (USD MILLION)

Table 30 INTEGRATED CIRCUIT IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 31 INTEGRATED CIRCUIT IP MARKET, BY GEOGRAPHY, 2013–2020 (USD MILLION)

Table 32 SYSTEM-ON-CHIP IP MARKET, BY TYPE, 2013–2022 (USD MILLION)

Table 33 SYSTEM-ON-CHIP IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 34 SYSTEM-ON-CHIP IP MARKET, BY GEOGRAPHY, 2013–2020 (USD MILLION)

Table 35 SEMICONDUCTOR IP MARKET, BY IP NATURE, 2013–2022 (USD MILLION)

Table 36 HARD IP CORE MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 37 HARD IP COTRE MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 38 SOFT IP CORE MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 39 SOFT IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 40 SEMICONDUCTOR IP MARKET, BY CUSTOMIZATION, 2013–2022 (USD MILLION)

Table 41 STANDARD IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 42 STANDARD IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 43 CUSTOMIZABLE IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 44 CUSTOMIZABLE IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 45 PROCESSOR IP MARKET, BY PROCESSOR DESIGN, 2013–2022 (USD MILLION)

Table 46 GENERAL PROCESSOR IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 47 GENERAL PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 48 EMBEDDED PROCESSOR IP MARKET, BY PROCESSOR DESIGN, 2013–2022 (USD MILLION)

Table 49 EMBEDDED PROCESSOR IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 50 EMBEDDED PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 51 SINGLE-CORE PROCESSOR IP MARKET, BY APPLICATION, 2013–2020 (USD MILLION)

Table 52 SINGLE-COREPROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022  
(USD MILLION)

Table 53 MULTI-COREPROCESSOR IP MARKET, BY APPLICATION, 2013–2022  
(USD MILLION)

Table 54 MULTI-CORE PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022  
(USD MILLION)

Table 55 SEMICONDUCTOR IP MARKET, BY PROCESSOR TYPE, 2013–2022 (USD  
MILLION)

Table 56 MICROPROCESSOR IP MARKET, BY TYPE, 2013–2022 (USD MILLION)

Table 57 MICROPROCESSOR IP MARKET, BY APPLICATION, 2013–2022 (USD  
MILLION)

Table 58 MICROPROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022 (USD  
MILLION)

Table 59 APPLICATION PROCESSOR IP MARKET, BY APPLICATION, 2013–2022  
(USD MILLION)

Table 60 APPLICATION PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2020  
(USD MILLION)

Table 61 GRAPHICS PROCESSOR IP MARKET, BY APPLICATION, 2013–2022 (USD  
MILLION)

Table 62 GRAPHICS PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2022 (USD  
MILLION)

Table 63 DIGITAL SIGNAL PROCESSOR IP MARKET, BY TYPE, 2013–2022 (USD  
MILLION)

Table 64 DIGITAL SIGNAL PROCESSOR IP MARKET, BY APPLICATION, 2013–2022  
(USD MILLION)

Table 65 DIGITAL SIGNAL PROCESSOR IP MARKET, BY GEOGRAPHY, 2013–2020  
(\$MILLION)

Table 66 DSP CORE IP MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

Table 67 DSP CORE IP MARKET, BY GEOGRAPHY, 2013–2022 (USD MILLION)

Table 68 DSP APPLICATION-SPECIFIC IP MARKET, BY APPLICATION, 2013–2020  
(USD MILLION)

Table 69 DSP APPLICATION-SPECIFIC IP MARKET, BY GEOGRAPHY, 2013–2020  
(USD MILLION)

Table 70 DSP PROGRAMMABLE CORE IP MARKET, BY APPLICATION, 2013–2022  
(USD MILLION)

Table 71 DSP APPLICATION-SPECIFIC IP MARKET BY GEOGRAPHY, 2013–2022  
(USD MILLION)

Table 72 CLASSIFICATION OF SEMICONDUCTOR IP APPLICATION SECTORS

Table 73 SEMICONDUCTOR IP MARKET, BY APPLICATION, 2013–2022 (USD

MILLION)

Table 74 GLOBAL VERIFICATION IP MARKET SIZE, BY PROTOCOL, 2013–2020  
(USD MILLION)

Table 75 VERIFICATION INTELLECTUAL PROPERTY- BENEFITS

Table 76 SEMICONDUCTOR IP MARKET, BY GEOGRAPHY, 2013–2022 (USD  
MILLION)

Table 77 SEMICONDUCTOR IP MARKET IN NORTH AMERICA, BY COUNTRY,  
2013–2022 (USD MILLION)

Table 78 SEMICONDUCTOR IP MARKET IN EUROPE, BY COUNTRY, 2013–2022  
(USD MILLION)

Table 79 SEMICONDUCTOR IP MARKET IN APAC, BY GEOGRAPHY, 2013–2022  
(USD MILLION)

Table 80 SEMICONDUCTOR IP MARKET IN JAPAN, 2013–2022 (USD MILLION)

Table 81 SEMICONDUCTOR IP MARKET IN ROW, BY REGION, 2013–2022 (USD  
MILLION)

Table 82 SEMICONDUCTOR IP MARKET: KEY PLAYERS, 2014

Table 83 NEW PRODUCT LAUNCHES (2013–2016)

Table 84 AGREEMENTS, COLLABORATIONS, CONTRACTS, & PARTNERSHIPS  
(2013–2016)

Table 85 ACQUISITIONS (2013–2016)

## About

The global semiconductor IP market has been expanding and shaping up into a strong, well-connected value chain over the years and robust development is expected to take place over the next few years as well. The semiconductor intellectual property core also known as IP Core or IP Block is a unit of architectural layout of a specific or whole part of a semiconductor chip. IP cores, after development by third parties, in general are licensed to semiconductor chip manufacturers. There is a tremendous increase in the number of vendors due to rising adoption of semiconductor IP solutions by chip manufacturers to reduce their chip design time and expenditure. The ever increasing adoption of third party IP (Intellectual Property) cores in diverse end user applications sectors such as computers and peripherals, network technologies, mobile and tablets, security and others have paved the success path for the global semiconductor IP market. The most rapidly growing segments of the semiconductor IP value chain are the third party IP Developers and the IP Licensors segments. New entrants among semiconductor IP manufacturers can easily adopt the third-party IP Vendors model.

The global semiconductor IP market's value chain has grown to a vast network of players involved in various segments. There have been tremendous changes in the landscape of the semiconductor IP industry value chain with several developments in all the segments such as IP core developers, licensing vendors, open source vendors, aggregators and customers such as fabless, fab, IDM, assembly segments.

The overall semiconductor IP market was worth \$ XX million in the year 2013, and is poised to grow at a CAGR of XX % from 2014 to 2020, to reach \$ XX million in 2020. The global market comprises of five major market segments, namely form factor, design architecture, processor type, application sector, and geography. In this research study, the verification IP market is also covered as a separate market segment.

The major factors responsible for the upsurge of the global semiconductor IP market include— Increasing commercialization of SoC technology, Need to mitigate the continuously rising chip design cost and expenditure, Rapidly changing technology nodes, Shrinking time-to-market windows and fierce competition in industries such as consumer electronics.

The semiconductor IP Market is growing in both the Integrated Circuit(IC) IP and System-on-Chip IP sub-sectors, but is expected to grow tremendously faster in the SoC

IP segment at an estimated CAGR of XX % from 2014 to 2020. The application specific and programmable (FPGA and PLD) IP segments in both ICs and SoCs are the fastest growing segments, next to the primary revenue contributor – the SoC Processor IP segment, which is estimated to grow at a phenomenal CAGR of XX % from 2014 to 2020. All the IP segments such as application specific, programmable, digital, analog and mixed signal and memory IP markets are expected to have much faster growth rates in the SoC segment, than their respective markets in the IC segment.

The embedded technology is increasingly penetrating into the semiconductor industry causing growing share of embedded IP over general IP segment in all fields. The rising focus on multi-core technology has paved way for huge revenues in the embedded IP market segments. The global DSP (Digital Signal Processing) IP market is one of the fastest growing value chain segments and is expected to grow from \$ XX million in 2013 to \$ XX million in 2020 at a CAGR of XX % from 2014 to 2020, which is faster than the overall semiconductor IP market CAGR of XX % from 2014 to 2020.



## I would like to order

Product name: Semiconductor (Silicon) IP Market by Form Factor (Integrated Circuit IP, SOC IP), Design Architecture (Hard IP, Soft IP), Processor Type (Microprocessor, DSP), Application, Geography and Verification IP - Forecast & Analysis to 2022

Product link: <https://marketpublishers.com/r/S4CB8DD2A25EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S4CB8DD2A25EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970