

Global Semiconductor IP Market Size Study, by Design IP (Processor IP, Interface IP, Memory IP), by IP Source (Licensing, Royalty), by IP Core (Soft IP, Hard IP), by Application (Consumer Electronics, Telecom, Automotive, Others), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G00DFE2CB3A7EN.html>

Date: July 2024

Pages: 200

Price: US\$ 3,218.00 (Single User License)

ID: G00DFE2CB3A7EN

Abstracts

Global Semiconductor Intellectual Property (IP) Market is valued approximately at USD 7.15 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.3% over the forecast period 2024-2032. Semiconductor Intellectual Property (IP) comprises pre-designed and pre-verified functional elements necessary for crafting integrated circuits (ICs) and System-on-Chip (SoC) devices. These elements include processors, memory modules, analog circuits, and diverse interface modules developed and licensed by specialized companies to semiconductor manufacturers and system designers. Semiconductor Intellectual Property (IP) is pivotal in expediting the chip design process, curbing development expenses, and enhancing overall operational efficiency. By integrating proven and standardized IP cores into their designs, manufacturers and designers can concentrate on application-specific aspects rather than re-creating foundational components. This strategy is particularly crucial in an era characterized by intricate and advanced semiconductor technologies.

The Semiconductor Intellectual Property (IP) market caters to various applications, from telecommunications and automotive to consumer electronics and industrial devices. The dynamic nature of the market continuously evolves to meet the requirements of emerging technologies. The adoption of Semiconductor Intellectual Property (IP) plays a pivotal role in stimulating innovation, facilitating expedited product launches, and fostering collaboration within the semiconductor design ecosystem. Semiconductor

Intellectual Property (IP) presents several advantages in chip design, including expediting development by supplying pre-validated components, decreasing time-to-market, and achieving cost-effectiveness. This allows designers to license established IP cores instead of starting from scratch, thereby enhancing design efficiency and overall chip reliability and performance.

The growing demand for contemporary system-on-chip (SoC) designs propels the Semiconductor Intellectual Property (IP) market. The increasing prevalence of SoC designs results from the heightened complexity of electronic devices such as smartphones, IoT devices, and automotive systems, which require heightened functionality, performance, and integration. Designers are adopting SoC architectures and utilizing Semiconductor Intellectual Property (IP) for the efficient incorporation of specialized components. This trend is fueled by the imperative for faster time-to-market and cost-effectiveness, as Semiconductor Intellectual Property (IP) enables the integration of pre-validated and standardized IP cores, reducing development cycles.

However, infringement of patented technologies hinders the growth of the market. Unauthorized utilization or replication of patented semiconductor intellectual property diminishes incentives for innovation, dissuading companies from dedicating resources to research and development. This obstruction curtails fair competition, triggers legal conflicts, and introduces uncertainties surrounding intellectual property rights, potentially discouraging companies from participating in the Semiconductor Intellectual Property (IP) ecosystem. Effectively addressing and preventing patent infringements is crucial for fostering innovation, competition, and sustained growth within the Semiconductor Intellectual Property (IP) market. Furthermore, demand for Semiconductor Intellectual Property (IP) is expected to increase rapidly during the forecast period due to the growing demand for integrated circuits. The market's resilience is rooted in its capacity to offer efficient and time-efficient solutions for chip design, facilitating rapid time-to-market and cost-effectiveness. The ongoing development of semiconductor technologies and the adaptability of IP solutions meet a range of industry requirements, fostering innovation.

The key regions considered for the global Semiconductor Intellectual Property (IP) Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Semiconductor Intellectual Property (IP) Market in terms of revenue. The market growth in the region is being attributed to factors including surging demand for advanced computing and communication technologies, increasing complexities in chip design, and the growing emphasis on time-to-market. Whereas, the market in Asia Pacific is anticipated to grow

at the fastest rate over the forecast period fueled by substantial investments from major organizations and government institutions in developing enhanced Semiconductor Intellectual Property (IP). This investment activity propels the growth of the Semiconductor Intellectual Property (IP) industry in the region.

Major market players included in this report are:

VeriSilicon

Frontgrade Gaisler

ALPHAWAVE SEMI

Cadence Design Systems, Inc.

Faraday Technology Corporation

CEVA Inc.

Rambus Inc.

Synopsys, Inc.

Arm Limited

ARTERIS, INC

The detailed segments and sub-segment of the market are explained below:

By Design IP:

Processor IP

Interface IP

Memory IP

By IP Source:

Licensing

Royalty

By IP Core:

Soft IP

Hard IP

By Application:

Consumer Electronics

Telecom

Automotive

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET EXECUTIVE SUMMARY

- 1.1. Global Semiconductor Intellectual Property (IP) Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Design IP
 - 1.3.2. By IP Source
 - 1.3.3. By IP Core
 - 1.3.4. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Rise in Demand for Modern SoC Designs
- 3.1.2. Surge in Adoption of IoT and AI Applications
- 3.1.3. Growing Demand for Consumer Electronics

3.2. Market Challenges

- 3.2.1. Intellectual Property Infringement Concerns
- 3.2.2. High Cost of Deployment and Maintenance

3.3. Market Opportunities

- 3.3.1. Advancements in Semiconductor Technologies
- 3.3.2. Growing Demand for Integrated Circuits
- 3.3.3. Rise in Demand for Wireless Technology-based Devices

CHAPTER 4. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET SIZE & FORECASTS BY DESIGN IP 2022-2032

5.1. Segment Dashboard

5.2. Global Semiconductor Intellectual Property (IP) Market: Design IP Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Processor IP

5.2.2. Interface IP

5.2.3. Memory IP

CHAPTER 6. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET SIZE & FORECASTS BY IP SOURCE 2022-2032

6.1. Segment Dashboard

6.2. Global Semiconductor Intellectual Property (IP) Market: IP Source Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Licensing

6.2.2. Royalty

CHAPTER 7. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET SIZE & FORECASTS BY IP CORE 2022-2032

7.1. Segment Dashboard

7.2. Global Semiconductor Intellectual Property (IP) Market: IP Core Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Soft IP

7.2.2. Hard IP

CHAPTER 8. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

8.1. Segment Dashboard

8.2. Global Semiconductor Intellectual Property (IP) Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

8.2.1. Consumer Electronics

8.2.2. Telecom

8.2.3. Automotive

8.2.4. Others

CHAPTER 9. GLOBAL SEMICONDUCTOR INTELLECTUAL PROPERTY (IP) MARKET SIZE & FORECASTS BY REGION 2022-2032

- 9.1. North America Semiconductor Intellectual Property (IP) Market
 - 9.1.1. U.S. Semiconductor Intellectual Property (IP) Market
 - 9.1.1.1. Design IP breakdown size & forecasts, 2022-2032
 - 9.1.1.2. IP Source breakdown size & forecasts, 2022-2032
 - 9.1.1.3. IP Core breakdown size & forecasts, 2022-2032
 - 9.1.1.4. Application breakdown size & forecasts, 2022-2032
 - 9.1.2. Canada Semiconductor Intellectual Property (IP) Market
- 9.2. Europe Semiconductor Intellectual Property (IP) Market
 - 9.2.1. U.K. Semiconductor Intellectual Property (IP) Market
 - 9.2.2. Germany Semiconductor Intellectual Property (IP) Market
 - 9.2.3. France Semiconductor Intellectual Property (IP) Market
 - 9.2.4. Spain Semiconductor Intellectual Property (IP) Market
 - 9.2.5. Italy Semiconductor Intellectual Property (IP) Market
 - 9.2.6. Rest of Europe Semiconductor Intellectual Property (IP) Market
- 9.3. Asia-Pacific Semiconductor Intellectual Property (IP) Market
 - 9.3.1. China Semiconductor Intellectual Property (IP) Market
 - 9.3.2. India Semiconductor Intellectual Property (IP) Market
 - 9.3.3. Japan Semiconductor Intellectual Property (IP) Market
 - 9.3.4. Australia Semiconductor Intellectual Property (IP) Market
 - 9.3.5. South Korea Semiconductor Intellectual Property (IP) Market
 - 9.3.6. Rest of Asia Pacific Semiconductor Intellectual Property (IP) Market
- 9.4. Latin America Semiconductor Intellectual Property (IP) Market
 - 9.4.1. Brazil Semiconductor Intellectual Property (IP) Market
 - 9.4.2. Mexico Semiconductor Intellectual Property (IP) Market
 - 9.4.3. Rest of Latin America Semiconductor Intellectual Property (IP) Market
- 9.5. Middle East & Africa Semiconductor Intellectual Property (IP) Market
 - 9.5.1. Saudi Arabia Semiconductor Intellectual Property (IP) Market
 - 9.5.2. South Africa Semiconductor Intellectual Property (IP) Market
 - 9.5.3. Rest of Middle East & Africa Semiconductor Intellectual Property (IP) Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company

- 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. VeriSilicon
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Market Strategies
 - 10.3.2. Frontgrade Gaisler
 - 10.3.3. ALPHAWAVE SEMI
 - 10.3.4. Cadence Design Systems, Inc.
 - 10.3.5. Faraday Technology Corporation
 - 10.3.6. CEVA Inc.
 - 10.3.7. Rambus Inc.
 - 10.3.8. Synopsys, Inc.
 - 10.3.9. Arm Limited
 - 10.3.10. ARTERIS, INC

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. Global Semiconductor Intellectual Property (IP) Market, report scope
- TABLE 2. Global Semiconductor Intellectual Property (IP) Market estimates & forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Semiconductor Intellectual Property (IP) Market estimates & forecasts by Design IP 2022-2032 (USD Billion)
- TABLE 4. Global Semiconductor Intellectual Property (IP) Market estimates & forecasts by IP Source 2022-2032 (USD Billion)
- TABLE 5. Global Semiconductor Intellectual Property (IP) Market estimates & forecasts by IP Core 2022-2032 (USD Billion)
- TABLE 6. Global Semiconductor Intellectual Property (IP) Market estimates & forecasts by Application 2022-2032 (USD Billion)
- TABLE 7. Global Semiconductor Intellectual Property (IP) Market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. Global Semiconductor Intellectual Property (IP) Market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. Global Semiconductor Intellectual Property (IP) Market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 10. Global Semiconductor Intellectual Property (IP) Market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Global Semiconductor Intellectual Property (IP) Market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 12. Global Semiconductor Intellectual Property (IP) Market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Global Semiconductor Intellectual Property (IP) Market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. Global Semiconductor Intellectual Property (IP) Market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. U.S. Semiconductor Intellectual Property (IP) Market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 16. U.S. Semiconductor Intellectual Property (IP) Market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 17. U.S. Semiconductor Intellectual Property (IP) Market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 18. Canada Semiconductor Intellectual Property (IP) Market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Semiconductor Intellectual Property (IP) Market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada Semiconductor Intellectual Property (IP) Market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

FIG 1. Global Semiconductor Intellectual Property (IP) Market, research methodology

FIG 2. Global Semiconductor Intellectual Property (IP) Market, market estimation techniques

FIG 3. Global market size estimates & forecast methods.

FIG 4. Global Semiconductor Intellectual Property (IP) Market, key trends 2023

FIG 5. Global Semiconductor Intellectual Property (IP) Market, growth prospects 2022-2032

FIG 6. Global Semiconductor Intellectual Property (IP) Market, porters 5 force model

FIG 7. Global Semiconductor Intellectual Property (IP) Market, PESTEL analysis

FIG 8. Global Semiconductor Intellectual Property (IP) Market, value chain analysis

FIG 9. Global Semiconductor Intellectual Property (IP) Market by segment, 2022 & 2032 (USD Billion)

FIG 10. Global Semiconductor Intellectual Property (IP) Market by segment, 2022 & 2032 (USD Billion)

FIG 11. Global Semiconductor Intellectual Property (IP) Market by segment, 2022 & 2032 (USD Billion)

FIG 12. Global Semiconductor Intellectual Property (IP) Market by segment, 2022 & 2032 (USD Billion)

FIG 13. Global Semiconductor Intellectual Property (IP) Market by segment, 2022 & 2032 (USD Billion)

FIG 14. Global Semiconductor Intellectual Property (IP) Market, regional snapshot 2022 & 2032

FIG 15. North America Semiconductor Intellectual Property (IP) Market 2022 & 2032 (USD Billion)

FIG 16. Europe Semiconductor Intellectual Property (IP) Market 2022 & 2032 (USD Billion)

FIG 17. Asia pacific Semiconductor Intellectual Property (IP) Market 2022 & 2032 (USD Billion)

FIG 18. Latin America Semiconductor Intellectual Property (IP) Market 2022 & 2032 (USD Billion)

FIG 19. Middle East & Africa Semiconductor Intellectual Property (IP) Market 2022 & 2032 (USD Billion)

FIG 20. Global Semiconductor Intellectual Property (IP) Market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Semiconductor IP Market Size Study, by Design IP (Processor IP, Interface IP, Memory IP), by IP Source (Licensing, Royalty), by IP Core (Soft IP, Hard IP), by Application (Consumer Electronics, Telecom, Automotive, Others), and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G00DFE2CB3A7EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G00DFE2CB3A7EN.html>