+357 96 030922
info@marketpublishers.com

Power IC Market Size and Forecast (2021 - 2034), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Material [Silicon (SI), Silicon Carbide (SIC), Gallium Nitride (GAN), and Others], Industry Vertical (ICT, Automotive & Transportation, Consumer Electronics, Industrial, Education, Media & Entertainment, Government & Public Sector, and Others), and Geography (North America, Europe, Asia Pacific, Middle East and Africa, and South and Central America)

https://marketpublishers.com/r/PA2475AA8416EN.html
Date: March 2026
Pages: 216
Price: US$ 4,450.00 (Single User License)
ID: PA2475AA8416EN

Abstracts

The Power IC market size was valued at US$ 11.66 billion in 2025 and is expected to reach US$ 21.58 billion by 2034; it is estimated to record a CAGR of 7.4% during 2026–2034.

The Power IC market is segmented into five major regions—North America, Europe, Asia Pacific (APAC), Middle East & Africa (MEA), and South & Central America. Asia Pacific dominated the market in 2025, followed by North America and Europe respectively. The region’s leadership is driven by the strong presence of semiconductor manufacturing ecosystems and high consumer electronics production in countries such as China, Japan, South Korea, and India. Increasing demand for smartphones, laptops, and other portable devices, along with rapid industrialization and urbanization, significantly contributes to market growth in Asia Pacific. Additionally, favorable government initiatives supporting domestic semiconductor production and energy-efficient technologies further boost demand. North America and Europe are also experiencing

+357 96 030922
info@marketpublishers.com

steady growth, supported by advancements in automotive electronics, data centers, and renewable energy infrastructure.

The consumer electronics segment represents a major application area for Power IC devices. Modern electronic devices increasingly require efficient power management solutions to optimize battery life, reduce energy consumption, and support high-performance functionalities. Power ICs such as voltage regulators, power management ICs (PMICs), and battery management ICs are widely integrated into smartphones, tablets, wearable devices, and laptops. As device miniaturization continues and performance expectations rise, manufacturers are focusing on developing compact, high-efficiency Power ICs that can deliver precise voltage regulation and thermal management. The growing adoption of 5G-enabled devices and IoT-enabled consumer electronics further accelerates the demand for advanced Power IC solutions.

The automotive and industrial equipment segment also plays a critical role in driving the Power IC market. In the automotive sector, Power ICs are essential for managing power distribution, infotainment systems, advanced driver-assistance systems (ADAS), and electric powertrains in electric and hybrid vehicles. In industrial applications, Power ICs are widely used in automation systems, motor control units, robotics, and power supplies to ensure efficient and reliable operations. The increasing adoption of Industry 4.0 technologies and smart manufacturing systems is driving the integration of advanced Power ICs capable of handling high voltages, improving system efficiency, and enhancing operational safety.

Power IC Market Future Trend:

One of the key future trends shaping the Power IC market is the growing emphasis on energy-efficient power management and system integration. The rapid expansion of electric vehicles, renewable energy systems, and data-driven technologies is driving demand for highly integrated Power ICs that offer improved efficiency, reduced power losses, and compact form factors. Innovations such as wide bandgap semiconductors (including silicon carbide and gallium nitride) are enabling Power ICs to operate at higher frequencies and temperatures, making them suitable for next-generation applications such as fast charging infrastructure, smart grids, and high-performance computing systems.

Infineon Technologies AG, Semiconductor Components Industries, LLC, STMicroelectronics, Mitsubishi Electric Corporation, Vishay Intertechnology, Inc., Fuji Electric Co., Ltd., ROHM CO., LTD., Renesas Electronics Corporation, Toshiba

+357 96 030922
info@marketpublishers.com

Electronic Devices & Storage Corporation, and Littelfuse, Inc are among the key players profiled during this market study. Several other essential market players were also studied and analyzed to get a holistic view of the global Power IC market and its ecosystem.

The overall Power IC market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the Power IC market size. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders specializing in the Power IC market.

Reason to buy

Saves and reduces time required for identifying the market growth, size, leading players, and segments in the global Power IC market.

Highlights key business priorities to assist companies in realigning their business strategies

Emphasizes key findings and recommendations that uncover emerging industry trends in the global Power IC market, enabling stakeholders across the value chain to craft effective long-term strategies

Develop/modify business expansion plans by analyzing substantial growth prospects in mature and emerging markets

Scrutinizes in-depth global Power IC market trends, along with factors driving the market, as well as those hindering it

Enhances the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution

+357 96 030922
info@marketpublishers.com

Contents

1. EXECUTIVE SUMMARY

1.1 Analyst Market Outlook
1.2 Market Attractiveness

2. POWER IC MARKET LANDSCAPE

2.1 Overview
2.2 Value Chain Analysis
  2.2.1 Raw Materials/Components
  2.2.2 Manufacturing Process/Technology
  2.2.3 Distribution Landscape
  2.2.4 End–User
  2.2.5 Level of Integration
2.3 Supply Chain Analysis
  2.3.1 List of Manufacturers/Suppliers
  2.3.2 List of Potential Customers (Upto 50)
2.4 Porter`s Five Force Analysis
2.5 PEST Analysis
2.6 Import–Export Analysis for Key Countries (As per the nearest HS Code)
2.7 Impact of Artificial Intelligence (AI)
2.8 Product or Technology Roadmap
2.9 Sustainability and ESG Trends
2.10 Patent Analysis
2.11 Regulatory Framework

3. COMPETITIVE LANDSCAPE

3.1 Company Benchmarking by Key Players
3.2 Market Share Analysis, 2025 – By Key Players
3.3 Market Concentration

4. POWER IC MARKET – KEY INDUSTRY DYNAMICS

4.1 Market Drivers
4.2 Market Restraints
4.3 Market Opportunities

+357 96 030922
info@marketpublishers.com

4.4 Future Trends
4.5 Impact of Drivers and Restraints

5. POWER IC MARKET – GLOBAL MARKET ANALYSIS

5.1 Power IC Market Revenue (US$ Million), 2021–2034
5.2 Power IC Market Forecast and Analysis

6. POWER IC MARKET REVENUE ANALYSIS – MATERIAL

6.1 Power IC Market Forecasts and Analysis by Material
6.2 Silicon (SI)
  6.2.1 Overview
  6.2.2 Silicon (SI) Market Revenue, 2021–2034 (US$ Million)
6.3 Silicon Carbide (SIC)
  6.3.1 Overview
  6.3.2 Silicon Carbide (SIC) Market Revenue, 2021–2034 (US$ Million)
6.4 Gallium Nitride (GAN)
  6.4.1 Overview
  6.4.2 Gallium Nitride (GAN) Market Revenue, 2021–2034 (US$ Million)
6.5 Others
  6.5.1 Overview
  6.5.2 Others Market Revenue, 2021–2034 (US$ Million)

7. POWER IC MARKET REVENUE ANALYSIS – INDUSTRY VERTICAL

7.1 Power IC Market Forecasts and Analysis by Industry Vertical
7.2 ICT
  7.2.1 Overview
  7.2.2 ICT Market Revenue, 2021–2034 (US$ Million)
7.3 Automotive and Transportation
  7.3.1 Overview
  7.3.2 Automotive and Transportation Market Revenue, 2021–2034 (US$ Million)
7.4 Consumer Electronics
  7.4.1 Overview
  7.4.2 Consumer Electronics Market Revenue, 2021–2034 (US$ Million)
7.5 Industrial
  7.5.1 Overview
  7.5.2 Industrial Market Revenue, 2021–2034 (US$ Million)

+357 96 030922
info@marketpublishers.com

7.6 Education……
7.6.1 Overview
7.6.2 Education Market Revenue, 2021–2034 (US$ Million)
7.7 Media and Entertainment
7.7.1 Overview
7.7.2 Media and Entertainment Market Revenue, 2021–2034 (US$ Million)
7.8 Government and Public Sector
7.8.1 Overview
7.8.2 Government and Public Sector Market Revenue, 2021–2034 (US$ Million)
7.9 Others
7.9.1 Overview
7.9.2 Others Market Revenue, 2021–2034 (US$ Million)

8. POWER IC MARKET – GEOGRAPHICAL ANALYSIS

8.1 North America
8.1.1 North America Power IC Market Overview
8.1.2 North America: Power IC Market Revenue and Forecasts, 2021–2034 (US$ Million)
8.1.3 North America: Power IC Market – By Segmentation
8.1.3.1 Material
8.1.3.2 Industry Vertical
8.1.4 North America: Power IC Market Breakdown by Countries
8.1.4.1 United States Market
8.1.4.1.1 United States: Power IC Market Revenue and Forecasts, 2021–2034 (US$ Million)
8.1.4.1.2 United States: Power IC Market – By Segmentation
8.1.4.1.2.1 Material
8.1.4.1.2.2 Industry Vertical
8.1.4.2 Canada Market
8.1.4.3 Mexico Market
8.2 Europe
8.2.1 Germany
8.2.2 France
8.2.3 Italy
8.2.4 United Kingdom
8.2.5 Russia
8.2.6 Rest of Europe
8.3 Asia-Pacific

+357 96 030922
info@marketpublishers.com

8.3.1 Australia
8.3.2 China
8.3.3 India
8.3.4 Japan
8.3.5 South Korea
8.3.6 Rest of Asia-Pacific
8.4 Middle East and Africa
8.4.1 South Africa
8.4.2 Saudi Arabia
8.4.3 U.A.E
8.4.4 Rest of Middle East and Africa
8.5 South and Central America
8.5.1 Brazil
8.5.2 Argentina
8.5.3 Rest of South and Central America

9. POWER IC MARKET INDUSTRY LANDSCAPE

10. POWER IC MARKET – KEY COMPANY PROFILES

10.1 Infineon Technologies AG
10.1.1 Key Facts
10.1.2 Business Description
10.1.3 Products and Services
10.1.4 Financial Overview
10.1.5 SWOT Analysis
10.1.6 Key Developments
10.2 Semiconductor Components Industries, LLC
10.3 STMicroelectronics
10.4 Mitsubishi Electric Corporation
10.5 Vishay Intertechnology, Inc
10.6 Fuji Electric Co., Ltd
10.7 ROHM CO., LTD
10.8 Renesas Electronics Corporation
10.9 Toshiba Electronic Devices and Storage Corporation
10.10 Littelfuse, Inc

11. LIST OF ADDITIONAL COMPANIES ANALYZED

+357 96 030922
info@marketpublishers.com

12. APPENDIX

12.1 Glossary
12.4 Research Methodology and Approach
  12.4.1 Secondary Research
  12.4.2 Primary Research
  12.4.3 Market Estimation Approach
    12.4.3.1 Supply Side Analysis
    12.4.3.2 Demand Side Analysis
  12.4.4 Research Assumptions and Limitations
12.5 Meet Our Analysts
12.6 About The Insight Partners
12.7 Market Intelligence Cloud

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Power IC Market Size and Forecast (2021 - 2034), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Material [Silicon (SI), Silicon Carbide (SIC), Gallium Nitride (GAN), and Others], Industry Vertical (ICT, Automotive & Transportation, Consumer Electronics, Industrial, Education, Media & Entertainment, Government & Public Sector, and Others), and Geography (North America, Europe, Asia Pacific, Middle East and Africa, and South and Central America)

Product link: https://marketpublishers.com/r/PA2475AA8416EN.html

Price: US$ 4,450.00 (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/PA2475AA8416EN.html