



Global Power ICs Market Outlook and Growth Opportunities 2026

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Electronics & Semiconductor	2025-12-31	204	PDF
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Description

PICs (power integrated circuits) are defined as ICs combining high-voltage and/or high-current components monolithically with low-voltage/low-current control components. Broadly, three classes of technologies, based on the techniques for isolating the high- and low-voltage components, have been developed for PICs: junction-isolated, self-isolated and dielectrically isolated. Each of these technologies has found its way into applications that result in optimal performance per unit cost. Simultaneously with the development of technologies, several advancements have been made in high-voltage/power devices suitable for integration. These included the reduced surface field lateral double diffused MOS transistor (RESURF LDMOS), the isolated vertical DMOS (VDMOS), the lateral insulated gate bipolar transistor (LIGBT), the high-voltage RESURF bipolar transistors, the Schottky injection FET (SINFET), and the trench sidewall channel DMOS (TDMOS).

From the perspective of PIC applications, in recent years, with the emerging of smartphones, smart homes, wearable devices, VR (Virtual Reality) / AR (Augmented Reality) The booming consumer electronics market and the demand for intelligent and low-energy consumption of industrial automation robots, drones, electric vehicles and other industrial products. The rapid development of integrated circuit products in the direction of diversification has spawned a large number of new chip requirements, which has led to the steady development of the global PIC design industry.

From the perspective of overall market share, the main players in China's PIC market are mainly from European and American, accounting for more than 80% of the market share. The entire power Standard Power ICs design industry is showing a shift from the United States, Europe and Japan to China, China's power Standard Power ICs market is on the rise. As the manufacturing centers of end-consumer products are concentrated in Asia-Pacific and China, due to the impact of cost, large-scale ICs design companies in Europe and the United States have gradually faded out of the trend of civilian consumer markets, turning to other Vehicle Electronics, industrial, military, and even astronauts and other performance requirements.

This report provides an overview of the global Power ICs market in terms of revenue and gross margin, analyzing global market trends using historical revenue data for 2021-2025, estimates for 2026, and projected CAGRs through 2032.

The study covers key producers of Power ICs and market revenue by major regions and countries, assesses future market potential, and highlights priority regions and countries for segmenting the market into sub-sectors, with country-specific market value data for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, the Middle East, Africa, and other countries.

The report also presents Power ICs revenue, market share, and industry ranking for the main companies for 2021-2026, identifies the major stakeholders in the global market, and analyzes their competitive landscape and market positioning based on recent developments and segmental revenues.

Across the 2021-2026 period, the analysis compares revenue growth and profitability profiles by company, distinguishing participants with sustained expansion from those with more cyclical performance, and relates these patterns to differences in regional exposure, product portfolios, and application focus in the global Power ICs market.

Power ICs Segment by Company

- Texas Instruments
- Infineon
- Qualcomm
- ON Semi
- NXP
- Maxim Integrated
- Dialog Semiconductor
- STMicroelectronics
- Toshiba
- Analog Devices
- Silergy
- Power Integrations
- ROHM
- MediaTek Inc.
- Microchip
- Skyworks
- Renesas
- Cypress Semiconductor
- On-Bright Electronics
- Alpha and Omega Semiconductor

Power ICs Segment by Type

- Power Management IC (PMIC)
- Driver IC

Power ICs Segment by Application

- Smart Phone
- Automotive
- High Performance Computing
- Industrial
- IoT
- Others

Power ICs Segment by Region

- North America
 - United States
 - Canada
 - Mexico
- Europe
 - Germany
 - France
 - U.K.
 - Italy
 - Russia

Spain
Netherlands
Switzerland
Sweden
Poland
Asia-Pacific
China
Japan
South Korea
India
Australia
Taiwan
Southeast Asia
South America
Brazil
Argentina
Chile
Middle East & Africa
Egypt
South Africa
Israel
Türkiye
GCC Countries

Study Objectives

1. To analyze and research the global Power ICs status and future forecast, involving, revenue, growth rate (CAGR), market share, historical and forecast.
2. To present the Power ICs key companies, revenue, market share, and recent developments.
3. To split the Power ICs breakdown data by regions, type, companies, and application.
4. To analyze the global and key regions Power ICs market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Power ICs significant trends, drivers, influence factors in global and regions.
6. To analyze Power ICs competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Power ICs market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Power ICs and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Power ICs.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Introduces the report scope of the report, global total market size.

Chapter 2:

Analysis key trends, drivers, challenges, and opportunities within the global Power ICs industry.

Chapter 3:

Detailed analysis of Power ICs company competitive landscape, revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6:

Sales value of Power ICs in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of key country in the world.

Chapter 7:

Sales value of Power ICs in country level. It provides sigmate data by type, and by application for each country/region.

Chapter 8:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including revenue, gross margin, product introduction, recent development, etc.

Chapter 9:

Concluding Insights.

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