

# **Power Management IC Market Report by Product (Linear Regulator ICs, Switching Regulator ICs, Voltage Reference ICs, Power Management ASICs/ASSPs, and Others), Application (Communication, Computing Devices, Consumer Electronics, Automotive, Healthcare, and Others), and Region 2024-2032**

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## **Abstracts**

The global power management IC market size reached US\$ 33.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 61.7 Billion by 2032, exhibiting a growth rate (CAGR) of 6.9% during 2024-2032.

A power management integrated circuit (PMIC) refers to an array of combined microchips that are used to manage the flow of energy between transistors and capacitors in electronic devices. It is commonly utilized in battery-operated electronics, including smartphones, portable media players, wearable devices and healthcare equipment. It performs various operating functions, such as power and battery management, system control, voltage regulation, audio and interface functions and other application-specific tasks. Owing to this, PMIC finds extensive applications across electronics, automotive, computing devices, communication and healthcare industries.

The growing demand for battery-powered consumer devices across the globe is one of the key factors driving the growth of the market. Furthermore, the growth of the telecommunication sector and various technological advancements in wireless technology and peripheral devices are other major growth-inducing factors. The market is also being driven by the growing environmental-consciousness leading to the construction of cities with smart grid systems as their integral part. This is leading to an

increasing demand for PMIC systems to manage wired and non-wired connections. Additionally, rising automation in the automotive industry is contributing significantly to the market growth. Automobile manufacturers utilize PMIC systems to efficiently manage extreme battery voltage fluctuations, extend the battery life and operate security systems. Other factors, including the widespread adoption of energy harvesting systems and the integration of Big Data and Internet of Things (IoT) across various industry verticals, are projected to drive the market in the upcoming years.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global power management IC market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product and application.

#### Breakup by Product:

- Linear Regulator ICs
- Switching Regulator ICs
- Voltage Reference ICs
- Power Management ASICs/ASSPs
- Others

#### Breakup by Application:

- Communication
- Computing Devices
- Consumer Electronics
- Automotive
- Healthcare
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia Pacific
  - China
  - Japan

India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Analog Devices, Inc., Dialog Semiconductor PLC, Linear Technology Corporation, Maxim Integrated Products, Inc., NXP Semiconductors N.V., On Semiconductor Corporation, Renesas Electronics Corporation, ST Microelectronics International N.V. and Texas Instruments Incorporated.

#### Key Questions Answered in This Report

1. What was the global power management IC market size in 2023?
2. What will be the global power management IC market outlook during the next five years?
3. What is the impact of COVID-19 on the global power management IC market?
4. What are the major global power management IC market drivers?
5. What are the major global power management IC market trends?
6. What is the global power management IC market breakup by product?
7. What is the global power management IC market breakup by application?
8. What are the major regional markets in the global power management IC industry?
9. Who are the leading players in the global power management IC industry?

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