+357 96 030922
info@marketpublishers.com

Global PMIC for Smartphones Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GCEE56F548AFEN.html
Date: June 2026
Pages: 124
Price: US$ 3,480.00 (Single User License)
ID: GCEE56F548AFEN

Abstracts

According to our (Global Info Research) latest study, the global PMIC for Smartphones market size was valued at US$ 6174 million in 2025 and is forecast to a readjusted size of US$ 8736 million by 2032 with a CAGR of 5.1% during review period.

Smartphone Power Management Integrated Circuits, or PMICs, are highly integrated analog and mixed-signal chips designed to address battery life, fast-charging efficiency, system stability, thermal control, and coordinated power delivery across multiple subsystems in a handset. Their core function is to regulate, distribute, sequence, protect, and convert power among the single-cell battery, adapter input, and internal system rails, while supplying matched voltage and current to application processors, display panels, camera modules, memory, and peripheral blocks according to each load?s operating characteristics. Official product pages show that this is not a single device category but a portfolio consisting of main PMICs, charger ICs, direct-charge and charge-pump fast-charging ICs, display PMICs, camera PMICs, and multi-channel PMICs for SoCs or memory. The most important technical paradigms are high efficiency, low noise, high integration, fast transient response, I2C programmability, power sequencing, and fault monitoring. Typical customers include smartphone brands, ODMs, motherboard and module suppliers, and platform solution providers. Common delivery models include standard products, platform-matched devices, and customized subsystem PMICs. Commercially, demand tends to scale with platform design wins and handset volume ramps, and is further supported by faster charging, more advanced imaging systems, higher OLED penetration, increasingly complex power requirements from on-device AI, and regulatory standardization of charging interfaces.

The core change in the smartphone PMIC industry is not merely an upgrade from lower-

+357 96 030922
info@marketpublishers.com

spec devices to higher-spec devices, but a transition from discrete power supply components to whole-system coordinated power management. As application processors, basebands, memory, displays, imaging modules, and wireless connectivity blocks continue to stack within flagship smartphones, the power system has become a foundational driver of overall device experience. Official product pages show that leading vendors have clearly expanded from single-point regulators into portfolios covering main PMICs, display PMICs, camera PMICs, charger ICs, direct-charge and charge-pump devices, and multi-channel solutions for SoCs. Their shared features are higher integration, stronger sequencing control, more complete fault protection, and better dynamic efficiency. Samsung explicitly separates mobile power into Charge IC, Display PMIC, SoC PMIC, and Camera PMIC, while Renesas emphasizes the sequencing and protection capabilities of multi-channel PMICs for processors, and Southchip directly positions AMOLED, LPDDR, and single-cell battery systems as PMIC product directions. This indicates that competition in this market is shifting toward which supplier can better understand smartphone power architecture, rather than simply who can offer an individual power converter. In the future, mainstream PMIC vendors will build stronger barriers through joint definition of the power tree with platform, module, and handset customers, shorter tuning cycles, and improved overall device experience.

On the demand side, fast charging, imaging, and on-device AI are collectively raising both the technical threshold and the content value of smartphone PMICs. In fast charging, official materials from Richtek and SG Micro both highlight high efficiency, high current, power-path management, and programmability as core selling points, showing that energy conversion efficiency from battery input to system output has become one of the most sensitive metrics for customers. In imaging, camera PMICs such as Awinic?s AW37007 emphasize high PSRR, low noise, and programmable power-up sequencing, essentially addressing the need for clean power and consistent timing in multi-camera, telephoto, and high-spec image sensor systems. In on-device AI, Samsung?s official technical article notes that PMICs support dynamic voltage and frequency scaling for the SoC to optimize the balance between performance and power, while IDC?s forecast for GenAI smartphone penetration in 2025 further indicates that power complexity in flagship and upper-mid-range devices will continue to rise. For the industry, this means smartphone PMICs are no longer merely cost components; they are increasingly becoming experience components and platform components. Their growth logic is also shifting from simply tracking handset shipments toward structural expansion driven jointly by charging upgrades, display upgrades, imaging upgrades, and AI upgrades.

From a regional and policy perspective, the smartphone PMIC industry should remain

+357 96 030922
info@marketpublishers.com

relatively constructive on both supply and demand. On the supply side, officially verifiable vendors are mainly concentrated in the United States, Japan, South Korea, and Greater China. U.S. and Japanese suppliers are generally stronger in platform-oriented, multi-channel, and broad power-management capabilities, while Korean and Chinese suppliers are especially active in OLED display power, charge-pump fast charging, camera power, and highly customized niche segments. On the demand side, although the global smartphone market has entered a low-growth phase, IDC still forecasts worldwide smartphone shipments to grow 1.5% in 2025, while AI smartphones continue to increase their share. That provides the PMIC industry with a stable shipment base and clear room for structural upgrading. At the same time, the European Union?s requirements for USB-C common charging and harmonized fast charging, together with battery regulations covering information, safety, and sustainability across the full battery lifecycle, will push handset makers to place greater emphasis on charging consistency, efficiency, safety, and system-level management. Taken together, the most certain directions for the next several years will still center on highly integrated main PMICs, fast-charging chains, dedicated display and imaging PMICs, and more programmable system-level power solutions. The overall industry outlook remains positive, and the growth potential of specialized leaders is likely to exceed the average level of the broader analog sector.

This report is a detailed and comprehensive analysis for global PMIC for Smartphones market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global PMIC for Smartphones market size and forecasts, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/Unit), 2021-2032

Global PMIC for Smartphones market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Million Units), and average selling prices (US$/Unit), 2021-2032

Global PMIC for Smartphones market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Million Units), and average selling prices

+357 96 030922
info@marketpublishers.com

(US$/Unit), 2021-2032

Global PMIC for Smartphones market shares of main players, shipments in revenue ($ Million), sales quantity (Million Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for PMIC for Smartphones

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global PMIC for Smartphones market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Qualcomm, STMicroelectronics, Samsung, MediaTek, Renesas Electronics Corporation, Richtek Technology Corporation, Southchip Semiconductor Technology (Shanghai) Co., Ltd., SG Micro Corp, Halo Microelectronics Co., Ltd., Awinic Technology Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

PMIC for Smartphones market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

CMOS Technology

BiCMOS Technology

+357 96 030922
info@marketpublishers.com

BCD Technology

Market segment by Product Role

Main PMIC

Charging PMIC

Display PMIC

Camera PMIC

Memory PMIC

Market segment by Integration Depth

Single-Function Power IC

Subsystem PMIC

System-Level PMIC

Market segment by Application

IOS Smartphones

Android Smartphones

Major players covered

Qualcomm

STMicroelectronics

+357 96 030922
info@marketpublishers.com

Samsung

MediaTek

Renesas Electronics Corporation

Richtek Technology Corporation

Southchip Semiconductor Technology (Shanghai) Co., Ltd.

SG Micro Corp

Halo Microelectronics Co., Ltd.

Awinic Technology Co., Ltd.

Nisshinbo Micro Devices Inc.

Silicon Mitus, Inc.

onsemi

Analog Devices Inc.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

+357 96 030922
info@marketpublishers.com

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe PMIC for Smartphones product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PMIC for Smartphones, with price, sales quantity, revenue, and global market share of PMIC for Smartphones from 2021 to 2026.

Chapter 3, the PMIC for Smartphones competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PMIC for Smartphones breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and PMIC for Smartphones market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of PMIC for Smartphones.

Chapter 14 and 15, to describe PMIC for Smartphones sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

3 COMPETITIVE ENVIRONMENT: PMIC FOR SMARTPHONES BY MANUFACTURER

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology
16.2 Research Process and Data Source
16.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global PMIC for Smartphones Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/GCEE56F548AFEN.html

Price: US$ 3,480.00 (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/GCEE56F548AFEN.html