

# Global GaN Power Management IC Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global GaN Power Management IC market size is expected to reach \$ 12240 million by 2029, rising at a market growth of 4.5% CAGR during the forecast period (2023-2029).

The Gallium Nitride (GaN) Power Management IC market is a rapidly evolving and transformative sector within the semiconductor industry, leveraging the unique properties of GaN to enhance power efficiency and performance in electronic devices. GaN Power Management ICs are instrumental in various applications, including power supplies, electric vehicles, and telecommunications. Known for their high electron mobility and power density, GaN-based power devices offer advantages such as faster switching speeds and higher efficiency compared to traditional silicon-based counterparts. The GaN Power Management IC market is marked by a focus on minimizing energy losses and optimizing power conversion processes, catering to the growing demand for energy-efficient electronics. As industries increasingly prioritize compact, high-performance power management solutions, the market for GaN Power Management ICs is expected to witness substantial growth, driven by ongoing research and development efforts to further improve GaN-based devices and expand their applications in diverse sectors.

This report studies the global GaN Power Management IC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for GaN Power Management IC, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of GaN Power Management IC that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GaN Power Management IC total production and demand, 2018-2029, (K Units)

Global GaN Power Management IC total production value, 2018-2029, (USD Million)

Global GaN Power Management IC production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GaN Power Management IC consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: GaN Power Management IC domestic production, consumption, key domestic manufacturers and share

Global GaN Power Management IC production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global GaN Power Management IC production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global GaN Power Management IC production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global GaN Power Management IC market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics , Texas Instruments, Navitas Semiconductor, Infineon Technologies, onsemi, MACOM, Tagore Technology, NXP Semiconductors and Dialog Semiconductor, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World GaN Power Management IC market.

### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

### Global GaN Power Management IC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global GaN Power Management IC Market, Segmentation by Type

Voltage Regulators

Supervisory Circuits

Gate Driver IC

Battery Management IC

Voltage References

LED Lighting Driver IC

## Global GaN Power Management IC Market, Segmentation by Application

Mobile Device

Consumer Electronics

Data Center

Renewable

eMobility

Industrial Motor Drive

Others

## Companies Profiled:

STMicroelectronics

Texas Instruments

Navitas Semiconductor

Infineon Technologies

onsemi

MACOM

Tagore Technology

NXP Semiconductors

Dialog Semiconductor

Toshiba

Analog Devices

Power Integrations

ROHM

VisIC

Panasonic

Fujitsu

#### Key Questions Answered

1. How big is the global GaN Power Management IC market?
2. What is the demand of the global GaN Power Management IC market?
3. What is the year over year growth of the global GaN Power Management IC market?
4. What is the production and production value of the global GaN Power Management IC market?
5. Who are the key producers in the global GaN Power Management IC market?

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