

# Global GaN Devices Market Growth 2025-2031

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## Abstracts

The global GaN Devices market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

GaN has superior properties than silicon such as high breakdown voltage and saturation velocity. The bandgap in GaN is almost thrice the bandgap of silicon. Thus, GaN has the ability to improve power conversion efficiencies, raise power density levels, extend battery lives, and accelerate switching speeds in different end-user segments such as consumer electronics products, telecommunications hardware, electric vehicles, or domestic appliances.

According to this market research and analysis, the opto semiconductor segment accounted for the maximum shares and dominated the market. The increasing adoption of GaN opto-semiconductors by various sectors such as military, aerospace and defense, and consumer electronics, will drive the growth of the market in the next few years.

LP Information, Inc. (LPI) ' newest research report, the "GaN Devices Industry Forecast" looks at past sales and reviews total world GaN Devices sales in 2024, providing a comprehensive analysis by region and market sector of projected GaN Devices sales for 2025 through 2031. With GaN Devices sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world GaN Devices industry.

This Insight Report provides a comprehensive analysis of the global GaN Devices

landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on GaN Devices portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaN Devices market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaN Devices and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global GaN Devices.

This report presents a comprehensive overview, market shares, and growth opportunities of GaN Devices market by product type, application, key manufacturers and key regions and countries.

**Segmentation by Type:**

Power Semiconductor

Opto Semiconductor

Other

**Segmentation by Application:**

Consumer Electronics

Automotive &amp; Transportation

Industrial Use

Aerospace and Defense

Other

**This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Fujitsu

Toshiba

Koninklijke Philips

Texas Instruments

EPIGAN

NTT Advanced Technology

RF Micro Devices

Cree Incorporated

Avago Technologies

GaN Systems

Infineon Technologies

OSRAM Opto Semiconductors

Qorvo

Aixtron

Nichia

NXP Semiconductors

Panasonic Semiconductors

International Quantum Epitaxy (IQE)

Mitsubishi Chemical

AZZURO Semiconductors

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global GaN Devices market?

What factors are driving GaN Devices market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do GaN Devices market opportunities vary by end market size?

How does GaN Devices break out by Type, by Application?

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