

# Global GaN Modules Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global GaN Modules market size will reach 6.87 Million USD in 2025 and is projected to reach 187.99 Million USD by 2032, with a CAGR of 60.44% (2025-2032). Notably, the China GaN Modules market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

GaN (Gallium Nitride) modules are advanced electronic components used in power conversion and amplification applications, leveraging the unique properties of GaN semiconductors. Known for their high efficiency, fast switching capabilities, and ability to handle higher voltages and temperatures than traditional silicon-based modules, GaN modules are increasingly used in industries like telecommunications, electric vehicles, renewable energy, and consumer electronics. These modules enable smaller, more efficient power systems by reducing energy loss, increasing power density, and enabling faster switching frequencies. Their high thermal conductivity and low switching losses make GaN modules ideal for applications requiring compact, high-performance power solutions, including power inverters, DC-DC converters, and RF amplifiers.

The major global manufacturers of GaN Modules include Infineon (GaN Systems), Texas Instruments (TI), Efficient Power Conversion Corporation (EPC), Kyocera, QPT, Mitsubishi Electric (Vincotech), VisIC Technologies, Renesas Electronics (Transphorm), Guangdong Fenghua Core Technology, X-IPM Technology, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises

global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of GaN Modules. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global GaN Modules market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the GaN Modules market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of GaN Modules industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of GaN Modules Include:

Infineon (GaN Systems)

Texas Instruments (TI)

Efficient Power Conversion Corporation (EPC)

Kyocera

QPT

Mitsubishi Electric (Vincotech)

VisiC Technologies

Renesas Electronics (Transphorm)

Guangdong Fenghua Core Technology

X-IPM Technology

GaN Modules Product Segment Include:

GaN Power Module

GaN Intelligent Power Module (IPM)

GaN Modules Product Application Include:

Motor Drives

Solar Inverters

Servers/UPS

Others

## **Chapter Scope**

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