

# Global GaN Power Devices Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

GaN material has a critical field that is 10 times higher than silicon. With the same voltage ratings, a much lower on state resistance can be achieved.

According to our (Global Info Research) latest study, the global GaN Power Devices market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

The global GaN power device market for RF power device held the largest share in 2016. In 2016, more than 90% of the total GaN power device market for RF power devices was dominated by the telecommunications; military, defense, and aerospace; and consumer and enterprise verticals. RF power devices are used in the military applications, very small aperture terminal (VSAT), phased-array radar applications, defense applications, RF cellular infrastructure, jammers, and satellite communications. Initially developed for improvised explosive device (IED) jammers in Iraq, GaN RF power has emerged as the technology of choice for all new microwave and millimeter-wave electronics including radar, satellite, communications, and electronic warfare.

This report is a detailed and comprehensive analysis for global GaN Power Devices 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 2024, are provided.

### Key Features:

Global GaN Power Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global GaN Power Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global GaN Power Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global GaN Power Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2019-2024

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 GaN Power Devices

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 GaN Power Devices 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 Fujitsu, Toshiba, Koninklijke Philips, Texas Instruments, EPIGAN, NTT Advanced Technology, RF Micro Devices, Cree Incorporated, Aixtron, International Quantum Epitaxy (IQE), etc.

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

### Market Segmentation

GaN Power Devices market is split by Type and by Application. For the period

2019-2030, 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

600V

Others

#### Market segment by Application

Server and Other IT Equipments

High-Efficiency and Stable Power Supplies

Rapidly Expanding HEV/EV Devices

#### Major players covered

Fujitsu

Toshiba

Koninklijke Philips

Texas Instruments

EPIGAN

NTT Advanced Technology

RF Micro Devices

Cree Incorporated

Aixtron

International Quantum Epitaxy (IQE)

Mitsubishi Chemical

AZZURO Semiconductors

Efficient Power Conversion (EPC)

GaN Systems

Infineon

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)

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

Chapter 1, to describe GaN Power Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of GaN Power Devices, with price, sales quantity, revenue, and global market share of GaN Power Devices from 2019 to 2024.

Chapter 3, the GaN Power Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the GaN Power Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and GaN Power Devices market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 GaN Power Devices.

Chapter 14 and 15, to describe GaN Power Devices sales channel, distributors, customers, research findings and conclusion.

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