

# Global GaN Semiconductor Power Devices Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

Gallium nitride (GaN) is a very hard, mechanically stable wide bandgap semiconductor. With higher breakdown strength, faster switching speed, higher thermal conductivity and lower on-resistance, power devices based on GaN significantly outperform silicon-based devices.

According to our (Global Info Research) latest study, the global GaN Semiconductor Power Devices market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global GaN Semiconductor 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 2023, are provided.

Key Features:

Global GaN Semiconductor Power Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global GaN Semiconductor Power Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global GaN Semiconductor Power Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global GaN Semiconductor Power Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

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 Semiconductor 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 Semiconductor Power Devices 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 Fujitsu, Toshiba, Koninklijke Philips, Texas Instruments and EPIGAN, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

GaN Semiconductor Power Devices market is split by Type and by Application. For the period 2018-2029, 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 Semiconductor Power Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of GaN Semiconductor Power Devices, with price, sales, revenue and global market share of GaN Semiconductor Power Devices from 2018 to 2023.

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

Chapter 4, the GaN Semiconductor Power Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and GaN Semiconductor Power Devices market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of GaN Semiconductor Power Devices.

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

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