

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

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Abstracts

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 our (Global Info Research) latest study, the global GaN 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.

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.

This report is a detailed and comprehensive analysis for global GaN 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 Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

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

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

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

Power Semiconductor

Opto Semiconductor

Other

Market segment by Application

Consumer Electronics

Automotive & Transportation

Industrial Use

Aerospace and Defense

Other

Major players covered

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

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 Devices product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the GaN 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 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 Devices.

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

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