

Global Gallium Nitride Field-effect Transistors(GaN FETs) Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

The field-effect transistor (FET) is a type of transistor that uses an electric field to control the flow of current. FETs are devices with three terminals: source, gate, and drain. FETs control the flow of current by the application of a voltage to the gate, which in turn alters the conductivity between the drain and source.

According to our (Global Info Research) latest study, the global Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs)

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 Gallium Nitride Field-effect Transistors(GaN FETs) 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 Nexperia, Renesas Electronics, Infineon Technologies, Transphorm and Panasonic Electronic, 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

Gallium Nitride Field-effect Transistors(GaN FETs) 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

Metal-Oxide-Semiconductor Field-Effect Transistor

Heterojunction Field Effect Transistor

Modulation Doped Field Effect Transistor

Market segment by Application

Consumer Electronics

Automobile Circuit

Communication Device

Industrial Appliances

Charging Equipment

Major players covered

Nexperia

Renesas Electronics

Infineon Technologies

Transphorm

Panasonic Electronic

GaN Systems

Efficient Power Conversion Corporation.

San'an Optoelectronics

Solid State Devices

Texas Instruments

Qorvo

pSemi Corporation

Toshiba Infrastructure Systems & Solutions Corporation

Alpha and Omega Semiconductor

NTT Advanced Technology Corporation

Tektronix

ON Semiconductor

Advance Compound Semiconductors

ST Microelectronics

Wolfspeed

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 Gallium Nitride Field-effect Transistors(GaN FETs) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gallium Nitride Field-effect Transistors(GaN FETs), with price, sales, revenue and global market share of Gallium Nitride Field-effect Transistors(GaN FETs) from 2018 to 2023.

Chapter 3, the Gallium Nitride Field-effect Transistors(GaN FETs) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs) 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 Gallium Nitride Field-effect Transistors(GaN FETs).

Chapter 14 and 15, to describe Gallium Nitride Field-effect Transistors(GaN FETs) sales channel, distributors, customers, research findings and conclusion.

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