

Global GaN Epitaxial Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global GaN Epitaxial market size was valued at USD 483 million in 2023 and is forecast to a readjusted size of USD 1635.5 million by 2030 with a CAGR of 19.0% during review period.

Global key players of GaN Epitaxial include NTT AT, Wolfspeed, SCIOCS(Sumitomo), EpiGaN (Soitec), DOWA Electronics Materials, Shanxi Yuteng and Enkris Semiconductor Inc, the top seven players hold a share about 67%. Enkris Semiconductor Inc is the largest producer, with a share of 25%. Asia-Pacific is the largest market of GaN epitaxial, with a share about 44%, followed by Europe and North America, with shares about 28% and 21% separately. In terms of product type, GaN-On-Si is the largest segment, with a share about 37%. And in terms of application, RF is the largest application, with a share about 46 percent.

The Global Info Research report includes an overview of the development of the GaN Epitaxial industry chain, the market status of Photoelectric (GaN-on-Sapphire, GaN-On-Si), Electronic Power (GaN-on-Sapphire, GaN-On-Si), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of GaN Epitaxial.

Regionally, the report analyzes the GaN Epitaxial markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global GaN Epitaxial market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the GaN Epitaxial market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the GaN Epitaxial industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., GaN-on-Sapphire, GaN-On-Si).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the GaN Epitaxial market.

Regional Analysis: The report involves examining the GaN Epitaxial market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the GaN Epitaxial market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to GaN Epitaxial:

Company Analysis: Report covers individual GaN Epitaxial manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards GaN Epitaxial This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Photoelectric, Electronic Power).

Technology Analysis: Report covers specific technologies relevant to GaN Epitaxial. It assesses the current state, advancements, and potential future developments in GaN

Epitaxial areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the GaN Epitaxial market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

GaN Epitaxial 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.

Market segment by Type

GaN-on-Sapphire

GaN-On-Si

GaN-On-SiC

GaN-on-GaN

Other

Market segment by Application

Photoelectric

Electronic Power

RF

Major players covered

NTT AT

Wolfspeed

SCIOCS (Sumitomo)

EpiGaN (Soitec)

DOWA Electronics Materials

IQE

Enkris Semiconductor Inc

CorEnergy

GLC

Genettice

Suzhou Nanowin

Episil-Precision Inc

Xinguan Technology

Shanxi Yuteng

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

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

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

Chapter 4, the GaN Epitaxial 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 application, with sales market share and growth rate by type, 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 2017 to 2023. and GaN Epitaxial market forecast, by regions, type and 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 Epitaxial.

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

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