

Gallium Nitride Market Trends, Revenue, Key Players, Growth, Share and Forecast Till 2027

Growing demand for gallium nitride devices in consumer electronics is one of the significant factors influencing the market growth.

VANCOUVER, BC, CANADA, December 17, 2021 /EINPresswire.com/ -- The global [gallium nitride market](#) is projected to be worth USD 320.4

Million by 2027, according to a current analysis by Emergen Research. The gallium nitride market is observing

high demand attributed to the growing demand for gallium nitride devices in consumer electronics. Gallium nitride is garnering significant traction in the market and is replacing silicon for use in fast chargers for laptops and smart devices. In the last couple of years, the screen and battery size of smartphones have witnessed a significant increase, which, in turn, is causative of increased power consumption for smartphones, thereby pushing the market for fast chargers.

Gallium Nitride Market Research Report published by Emergen Research has been formulated by analysis of key business details and extensive geographical spread of the gallium nitride industry. The study offers comprehensive coverage of the qualitative and quantitative analysis of the gallium nitride market along with crucial statistical data about the gallium nitride market. The research study provides historical data from 2017 to 2018 and offers accurate forecast estimation until 2027. The report also profiles established and emerging players of the market, covering the business overview, product portfolio, strategic alliances, and business expansion strategies.

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Competitive Landscape:

Furthermore, the report includes an in-depth analysis of the competitive landscape. The



segment covers a comprehensive overview of the company profiles along with product profiles, production capacities, products/services, pricing analysis, profit margins, and manufacturing process developments. The report also covers strategic business measures undertaken by the companies to gain substantial market share. The report provides insightful information about recent mergers and acquisitions, product launches, collaborations, joint ventures, partnerships, agreements, and government deals.

Key Companies Profiled in the Report:

DOWA Electronics Materials Co. Ltd., Cree Inc., American Elements, Furukawa Co. Ltd., Mitsubishi Chemical Corporation, Kyma Technologies Inc., Soitec, IQE PLC, Infineon Technologies, and Nitride Semiconductors Co. Ltd., among others.

Key Highlights From The Report

Gallium nitride finds application in smaller electronics, high-performance EVs and is the primary material for modern-day LED lighting solutions.

Gallium nitride is of immense significance in photovoltaic cells by enabling them to realize much higher power density than the silicon-based photovoltaic cell.

North America, led by the US, held a significant market share in 2019 attributed to the swift advancements in the automotive and aerospace sectors and surging demand for semiconductor devices in several applications, including military and medical.

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Emergen Research has segmented the global gallium nitride market on the basis of substrate type, distribution channel, application, and region:

Substrate Type Outlook (Revenue, USD Billion; 2017-2027)

GaN-on-SiC

GaN-on-Si

GaN-on-Sapphire

Others

Distribution Channel Outlook (Revenue, USD Billion; 2017-2027)

Online

Offline

Application Outlook (Revenue, USD Billion; 2017-2027)

Radio Frequency Devices

Wireless Infrastructure

Satellite Communication

Military & Defense

Others

Power Electronics

Power Supply

Electric Vehicle

LiDAR

Servers & Data Centers

Wireless Power

Solar Photovoltaic Technology

Envelope Tracking

Others

Optoelectronics

LED

LASER

Others

Regional Segmentation;

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

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Market Dynamics:

The report offers insightful information about the market dynamics of the gallium nitride market. It offers SWOT analysis, PESTEL analysis, and Porter's Five Forces analysis to present a better understanding of the gallium nitride market, competitive landscape, factors affecting it, and to predict the growth of the industry. It also offers the impact of various market factors along with the effects of the regulatory framework on the growth of the gallium nitride market.

Radical Highlights of the gallium nitride Market Report:

Comprehensive overview of the gallium nitride market along with analysis of the changing dynamics of the market

Growth Assessment of various market segments throughout the forecast period

Regional and global analysis of the market players, including their market share and global position

Growth strategies adopted by key market players to combat the impact of the COVID-19 pandemic on the market

Impact of the technological developments and R&D advancements on the gallium nitride market

Information about profit-making strategies and developmental strategies of major companies and manufacturers

Insightful information for the new entrants willing to enter the market

Details and insights about business expansion strategies, product launches, and other

collaborations

The report incorporates advanced analytical tools such as SWOT analysis, Porter's Five Forces Analysis, feasibility analysis, and investment return analysis

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