

Gallium Nitride Semiconductor Device Market

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Abstracts

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The future of the gallium nitride semiconductor device market looks promising with opportunities in the automotive., consumer electronics, aerospace & defence, healthcare, industrial & power, and otehrs. The global gallium nitride semiconductor device market is expected to grow with a CAGR of 18%-20% from 2020 to 2025. The major drivers for this market are consumer electronics and automotive markets to drive gan power semiconductor revenue, increasing adoption of gan rf semiconductor device in military, defense, and aerospace applications and success of gan in rf-power electronics.

A more than 150 pages report is developed to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global gallium nitride semiconductor device market report, please download the report brochure.

gallium nitride semiconductor device

Growth in various segments of the gallium nitride semiconductor device market are given below:

gallium nitride semiconductor device

The study includes trends and forecast for the global gallium nitride semiconductor device market by product type, application, end use industry, and region as follows:

By Product Type [Value (\$ Million) shipment analysis for 2014 – 2025]:

GAN Radio Frequency Devices Opto Semiconductor Power Semiconductor

By Application [Value (\$ Million) shipment analysis for 2014 – 2025]:

Power Drives Supply and Inverter RF Lighting and Laser

By End Use Industry [Value (\$ Million) shipment analysis for 2014 – 2025]:

Automotive Consumer Electronics Aerospace & Defence Healthcare Industrial & PowerOthers

By Region [Value (\$ Million) shipment analysis for 2014 – 2025]:

North AmericaUnited StatesCanada MexicoEuropeUnited KingdomSpainGermanyFranceAsia PacificChinaIndiaJapanTaiwanThe Rest of the World Brazil

Some of the gallium nitride semiconductor device manufacturers profiled in this report include, NXP Semiconductor N.V., GaN Systems, Inc., Efficient Power Conversion Corporation, Inc., Toshiba Corporation, Qorvo, Inc., Cree, Inc., Fujitsu Ltd., and Texas Instruments, Inc.

In this market, radio frequency devices, opto semiconductor and power semiconductor are the major product types used.

Within this market, power devices is expected to witness the highest growth over the forecast period due to its ability to minimize power loss and achieve high-speed switching with characteristics such as miniaturization, high breakdown voltage, and high-speed switching.

Asia-Pacific will remain the largest region and it is also expected to witness the highest growth over the forecast period due to increasing demand from LEDs in various industries such as consumer and enterprise, industrial, and automotive. Further, EV charging, and electric vehicle production markets, and increasing renewable energy generation are boosting the market.

Features of the Global Gallium Nitride Semiconductor Device Market

Market Size Estimates: Global gallium nitride semiconductor device market size

estimation in terms of value (\$M) shipment. Trend and Forecast Analysis: Market trend (2014-2019) and forecast (2020-2025) by various segments and regions. Segmentation Analysis: Global gallium nitride semiconductor device market size by various segments, such as product type, application, and end use industry in terms of value. Regional Analysis: Global gallium nitride semiconductor device market breakdown by the North America, Europe, Asia Pacific, and Rest of the World. Growth Opportunities: Analysis of growth opportunities in different product type, application, end use industry, and region for the global gallium nitride semiconductor device market. Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global gallium nitride semiconductor device market. Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following key questions

- Q.1 What are some of the most promising potential, high-growth opportunities for the global gallium nitride semiconductor device market by product type (GAN radio frequency devices, opto semiconductor, power semiconductor), application (power drives, supply and inverter, RF, lighting and laser), end use industry (automotive, consumer electronics, aerospace & defence, healthcare, industrial & power, and others), and region (North America, Europe, Asia Pacific, and Rest of the World)?
- Q. 2 Which segments will grow at a faster pace and why?
- Q.3 Which region will grow at a faster pace and why?
- Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?
- Q.5 What are the business risks and threats to the market?
- Q.6 What are emerging trends in this market and the reasons behind them?
- Q.7 What are some changing demands of customers in the market?
- Q.8 What are the new developments in the market? Which companies are leading these developments?
- Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?
- Q.10 What are some of the competitive products and processes in this market, and how big of a threat do they pose for loss of market share via material or product substitution?
- Q.11 What M & A activities did take place in the last five years in this market?

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