

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) GaN Semiconductor Devices Market 2018, Forecast to 2023

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Abstracts

Gallium nitride (GaN) is a binary III/V direct bandgap semiconductor commonly used in light-emitting diodes since the 1990s. The compound is a very hard material that has a Wurtzite crystal structure.

SCOPE OF THE REPORT:

This report focuses on the GaN Semiconductor Devices in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The global gallium nitride semiconductor device market for opto-semiconductor device type held the largest market share. This is attributed to its wide application in consumer and enterprise, industrial, and automotive industry. Gallium nitride light-emitting diodes (LEDs) are widely used in laptop and notebook display, mobile display, projectors, televisions and monitor, signs and large displays, etc. Gallium nitride LEDs are also used for the interior and exterior lighting in the automotive industry such as headlights and signal lights, car interior lighting, fog lights, stop lights, and dome lights, etc. However, competition from silicon carbide (SiC) in high-voltage semiconductor applications is expected to be the key factors restraining the market growth. APAC is expected to hold the largest share of the gallium nitride semiconductor device market during the forecast period. This is attributed to the 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 in APAC.

The worldwide market for GaN Semiconductor Devices is expected to grow at a CAGR

of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Cree

Infineon

Qorvo

Macom

Microsemi

Mitsubishi Electric

Efficient Power Conversion (EPC)

GaN Systems

Nichia

Epistar

Transphorm

Visic Technologies

Analog Devices

Texas Instruments

Sumitomo Electric

Samsung

Northrop Grumman Corporation

Integra Technologies

Navitas Semiconductor

Panasonic

Ampleon

Powdec

Dialog Semiconductor

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Opto Semiconductor

Power Semiconductor

RF Semiconductor

Market Segment by Applications, can be divided into

Telecommunication

Industrial

Automotive

Consumer Electronics

Military, Defense, and Aerospace

Medical

Other

There are 15 Chapters to deeply display the global GaN Semiconductor Devices market.

Chapter 1, to describe GaN Semiconductor Devices Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of GaN Semiconductor Devices, with sales, revenue, and price of GaN Semiconductor Devices, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of GaN Semiconductor Devices, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, GaN Semiconductor Devices market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe GaN Semiconductor Devices sales channel,

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) GaN Semiconductor Devices...

distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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