

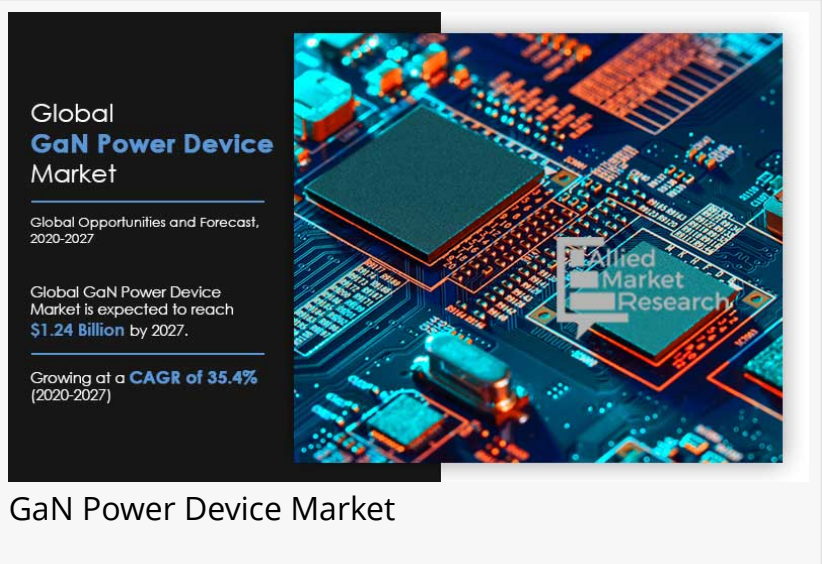
GaN Power Device Market: Top Trends and Key Players Analysis Report

GaN Power Device Market | Know the Prominent Factors That Will Help in Reshaping the Market Growth

WILMINGTON, DELAWARE, UNITED STATES, May 13, 2024

/EINPresswire.com/ -- GaN power discrete devices and GaN power ICs are gaining wide acceptance and are witnessing significant growth due to an increase in advancements and a decline in cost. Among the segments, the GaN power modules segment dominated the global market.

Furthermore, investment in charging and power technologies drives the demand for these devices. In addition, an increase in advanced activities in the consumer electronics vertical across the globe is expected to fuel the growth of the [GaN power device market](#). projects that the global GaN power device market size is estimated to reach \$1.24 billion by 2027. In 2019, North



GaN Power Device Market

“

Gallium nitride (GaN) transistors excel over silicon, enabling compact, high-performance devices. Widely used in power supplies, EVs, and RF switching, driving market growth.”

Allied Market Research

America dominated the GaN power device market share, contributing more than 35% share of the overall revenue, followed by Europe. Furthermore, growth in the adoption of GaN devices for wireless charging, across the world, propels the growth of the market. Moreover, automobile companies globally are adopting GaN power devices in electric vehicles for various applications, which fuels the global GaN power device market growth.

□□□□□□□□ □□□□□□□□ □□□□□□ □□□□□□ & □□□□:
<https://www.alliedmarketresearch.com/request-sample/1997>

GaN has gradually emerged as a sustainable semiconductor material in imminent power electronic converters, owing to its beneficial properties, such as a wide band gap and the prospect of forming heterostructures that make the optimization of the power conversion

Among various regions, North America was the major revenue generator in 2019 and is expected to maintain its dominance in the future. This is attributed to the rapid transformation from the usage of SiC Power devices to GaN Power devices in the latest electronics adopted in the future.

Asia-Pacific is the highest revenue-generating region due to the availability of huge power stations for high-voltage power, the increase in demand for power modules, and population growth. Moreover, around 70% of the total electrical energy is estimated to be processed by power electronics systems that incorporate GaN devices. These devices are extensively adopted in industry verticals such as automotive, renewable energy stations, and electric grid infrastructures. These organizations take various initiatives to build power infrastructure with advanced technologies.

The global GaN power devices market is segmented based on device, application, and region. Based on the device, the market is categorized into GaN power discrete devices, GaN power ICs, and GaN power modules. By application, the market is classified into consumer electronics, IT & telecommunication, automotive, aerospace & defense, and others. Region-wise, it is analyzed across North America (the U.S., Mexico, and Canada), Europe (the UK, Germany, France, and the rest of Europe), Asia-Pacific (China, Japan, Taiwan, South Korea, and the rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

For more information, please contact us at: <https://www.alliedmarketresearch.com/purchase-enquiry/1997>

Our research reports are available in PDF, PPT, and Excel formats.

- By device, the GaN power modules segment accounted for the highest share of the market in 2019 with \$52.2 million, growing at a CAGR of 32.2% from 2020 to 2027.
- Based on industry vertical, the IT & telecommunication segment generated the highest revenue, accounting for \$36.3 million in 2019.
- By region, North America is expected to dominate the GaN power devices industry, garnering a 40.1% share during the forecast period.

For more information, please contact us at:

Allied Market Research is a top provider of market intelligence that offers reports from leading technology publishers. Our in-depth market assessments in our research reports consider significant technological advancements in the sector. In addition to other areas of expertise, AMR focuses on analyzing high-tech and advanced production systems. We have a team of experts who compile thorough research reports and actively advise leading businesses to enhance their current procedures. Our experts have a wealth of knowledge on the topics they cover. Also, they use a variety of tools and techniques when gathering and analyzing data, including patented data sources.

David Correa
Allied Market Research
+1 503-894-6022

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

[Other](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/711043940>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.