

Global GaN Power Devices Market Insights, Forecast to 2026

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Abstracts

GaN material has a critical field that is 10 times higher than silicon. With the same voltage ratings, a much lower on state resistance can be achieved.

The global GaN power device market for RF power device held the largest share in 2016. In 2016, more than 90% of the total GaN power device market for RF power devices was dominated by the telecommunications; military, defense, and aerospace; and consumer and enterprise verticals. RF power devices are used in the military applications, very small aperture terminal (VSAT), phased-array radar applications, defense applications, RF cellular infrastructure, jammers, and satellite communications. Initially developed for improvised explosive device (IED) jammers in Iraq, GaN RF power has emerged as the technology of choice for all new microwave and millimeter-wave electronics including radar, satellite, communications, and electronic warfare. Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the GaN Power Devices 4900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the GaN Power Devices 4900 industry.

Based on our recent survey, we have several different scenarios about the GaN Power Devices 4900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ xx million in 2019. The market size of GaN Power Devices 4900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global GaN Power Devices market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global GaN Power Devices market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global GaN Power Devices market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global GaN Power Devices market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global GaN Power Devices market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global GaN Power Devices market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global GaN Power Devices market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global GaN Power Devices market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global GaN Power Devices market.

The following manufacturers are covered in this report:

Fujitsu

Toshiba

Koninklijke Philips

Texas Instruments

EPIGAN

NTT Advanced Technology

RF Micro Devices

Cree Incorporated

Aixtron

International Quantum Epitaxy (IQE)

Mitsubishi Chemical

AZZURO Semiconductors

GaN Power Devices Breakdown Data by Type

600V

Other

GaN Power Devices Breakdown Data by Application

Server and Other IT Equipments

High-efficiency and Stable Power Supplies

Rapidly Expanding HEV/EV Devices

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