

# Global GaN High-electron-mobility Transistor Market Growth 2023-2029

https://marketpublishers.com/r/G8CCA8E3E1C2EN.html

Date: March 2023

Pages: 98

Price: US\$ 3,660.00 (Single User License)

ID: G8CCA8E3E1C2EN

# **Abstracts**

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High electron mobility transistors (HEMTs) are transistors that use a 2-dimensional electron gas (2DEG) that is created by a junction between two materials with different band gaps. Gallium nitride (GaN) based HEMTs feature faster switching speed, higher thermal conductivity and lower on-resistance than comparable silicon-based solutions. These features allow GaN transistors and integrated circuits to be used in circuits to increase efficiency, shrink the size, and reduce the cost of a wide variety of power conversion systems.

LPI (LP Information)' newest research report, the "GaN High-electron-mobility Transistor Industry Forecast" looks at past sales and reviews total world GaN High-electron-mobility Transistor sales in 2022, providing a comprehensive analysis by region and market sector of projected GaN High-electron-mobility Transistor sales for 2023 through 2029. With GaN High-electron-mobility Transistor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world GaN High-electron-mobility Transistor industry.

This Insight Report provides a comprehensive analysis of the global GaN High-electron-mobility Transistor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on GaN High-electron-mobility Transistor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaN High-electron-mobility Transistor market.



This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaN High-electron-mobility Transistor and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global GaN High-electron-mobility Transistor.

The global GaN High-electron-mobility Transistor market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for GaN High-electron-mobility Transistor is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for GaN High-electron-mobility Transistor is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for GaN High-electron-mobility Transistor is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key GaN High-electron-mobility Transistor players cover Nexperia, GaN Systems, Infineon Technologies, STMicroelectronics, TI, Renesas, ON Semiconductor and Fujitsu, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of GaN High-electron-mobility Transistor market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

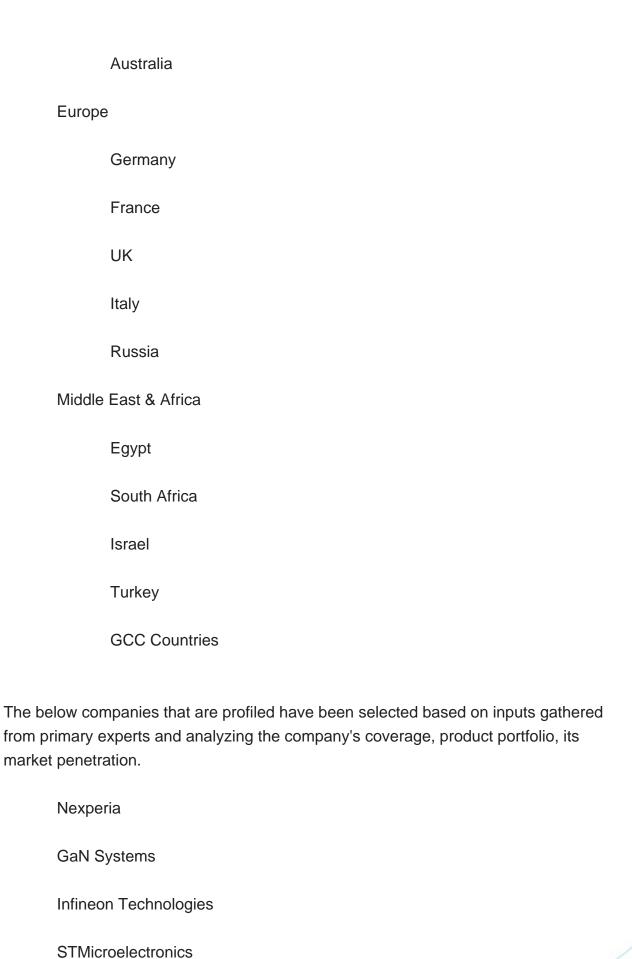
100V

400V



600V		
650V		
Segmentation by application		
Consumer Electronics		
Automotive		
Medical Industry		
Others		
This report also splits the market by region:		
Americas		
United States		
Canada		
Mexico		
Brazil		
APAC		
China		
Japan		
Korea		
Southeast Asia		
India		







size?

TI
Renesas
ON Semiconductor
Fujitsu
Key Questions Addressed in this Report
What is the 10-year outlook for the global GaN High-electron-mobility Transistor market?
What factors are driving GaN High-electron-mobility Transistor market growth, globall and by region?
Which technologies are poised for the fastest growth by market and region?

How do GaN High-electron-mobility Transistor market opportunities vary by end market

What are the influences of COVID-19 and Russia-Ukraine war?



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