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Global Enhancement-Mode GaN HEMT Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Enhancement-Mode GaN HEMT market size was valued at US$ million in 2025 and is forecast to a readjusted size of US$ million by 2032 with a CAGR of %during review period.

Enhancement-mode GaN HEMT (High Electron Mobility Transistor) is another type of GaN-based transistor that operates in the enhancement-mode. It is a field-effect transistor (FET) structure that utilizes a heterostructure consisting of gallium nitride (GaN) as the channel material and other semiconductor materials for barrier and buffer layers.

This report is a detailed and comprehensive analysis for global Enhancement-Mode GaN HEMT market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Enhancement-Mode GaN HEMT market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Enhancement-Mode GaN HEMT market size and forecasts by region and

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country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Enhancement-Mode GaN HEMT market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Enhancement-Mode GaN HEMT market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Enhancement-Mode GaN HEMT

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Enhancement-Mode GaN HEMT market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include EPC (Efficient Power Conversion), GaN Systems, Navitas Semiconductor, Transphorm Inc, Infineon Technologies, Cree, Inc., Macom Technology Solutions, Qorvo, Inc., Microchip Technology Inc., NXP Semiconductors, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Enhancement-Mode GaN HEMT market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and

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forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

AlGaN/GaN HEMTs

InAlGaN/GaN HEMTs

E/D-mode GaN HEMTs

Market segment by Application

Telecommunications

Automotive

Aerospace and Defense

Consumer Electronics

Industrial

Major players covered

EPC (Efficient Power Conversion)

GaN Systems

Navitas Semiconductor

Transphorm Inc

Infineon Technologies

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Cree, Inc.

Macom Technology Solutions

Qorvo, Inc.

Microchip Technology Inc.

NXP Semiconductors

Texas Instruments

Toshiba Corporation

ROHM Semiconductor

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Enhancement-Mode GaN HEMT product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Enhancement-Mode GaN HEMT,

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with price, sales quantity, revenue, and global market share of Enhancement-Mode GaN HEMT from 2021 to 2026.

Chapter 3, the Enhancement-Mode GaN HEMT competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Enhancement-Mode GaN HEMT breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Enhancement-Mode GaN HEMT market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Enhancement-Mode GaN HEMT.

Chapter 14 and 15, to describe Enhancement-Mode GaN HEMT sales channel, distributors, customers, research findings and conclusion.

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