

Global Gallium Nitride (GaN) Power Transistor Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G151C75DA2CFEN.html>

Date: February 2026

Pages: 167

Price: US\$ 4,480.00 (Single User License)

ID: G151C75DA2CFEN

Abstracts

The global Gallium Nitride (GaN) Power Transistor market size is expected to reach \$ 3230 million by 2032, rising at a market growth of 7.2% CAGR during the forecast period (2026-2032).

Gallium Nitride (GaN) power transistors are GaN-based power switching devices used for power conversion, most commonly implemented as lateral GaN HEMTs (GaN FETs) on GaN-on-Si or GaN-on-SiC epi platforms, targeting superior switching performance versus silicon MOSFETs across widely used voltage domains (e.g., 48V-class, 100–200V, and 650V-class). In industry practice, “product / process forms” are often categorized by operating mode and integration style: enhancement-mode (E-mode, normally-off; widely realized via p-GaN gate or related approaches), depletion-mode (D-mode, normally-on), and cascode (a D-mode GaN device paired with a low-voltage Si MOSFET to deliver normally-off behavior). Delivery forms span discrete GaN FETs, integrated GaN power stages / power ICs (driver + protections integrated or co-packaged with a 650V GaN FET), and higher-level modules/IPMs. Key technical differentiators center on gate robustness and reliability (threshold/gate-voltage headroom, p-GaN stress behavior), dynamic RDS(on) and trap-related effects, and package parasitics/thermal paths essential for high di/dt, high-frequency switching.

From an industry standpoint, power GaN has moved beyond early mass adoption in consumer fast chargers toward broader penetration in AI/data-center power, telecom/infrastructure power, and automotive electrification. Public Yole communications in 2025 point to rapid expansion through 2030 with strong growth vectors beyond consumer—highlighting data centers/telecom and automotive as major “next pillars.” On the manufacturing side, two notable trends are (i) capacity internalization and “silicon-fab-like” scaling, illustrated by TI’s start of GaN production

in Aizu, Japan and its plan to significantly increase internal GaN capacity, and (ii) wafer-size scaling for cost-down, exemplified by Infineon's 300mm GaN power wafer technology progress in existing high-volume infrastructure and its stated "more dies per wafer" economic benefit versus 200mm. Primary demand drivers can be summarized as: higher efficiency and power density (enabling smaller magnetics and compact designs), AI-driven and electrification-driven power-system upgrades, and improved manufacturability via integration (integrated driver/protection GaN stages lowering design barriers and improving robustness).

This report studies the global Gallium Nitride (GaN) Power Transistor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Gallium Nitride (GaN) Power Transistor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Gallium Nitride (GaN) Power Transistor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Gallium Nitride (GaN) Power Transistor total production and demand, 2021-2032, (K Units)

Global Gallium Nitride (GaN) Power Transistor total production value, 2021-2032, (USD Million)

Global Gallium Nitride (GaN) Power Transistor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Gallium Nitride (GaN) Power Transistor consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Gallium Nitride (GaN) Power Transistor domestic production, consumption, key domestic manufacturers and share

Global Gallium Nitride (GaN) Power Transistor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Gallium Nitride (GaN) Power Transistor production by Device Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Gallium Nitride (GaN) Power Transistor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Gallium Nitride (GaN) Power Transistor market based on the following parameters - company overview, production, value, price,

gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Innoscience, Infineon (GaN Systems), Navitas (GeneSiC), Efficient Power Conversion Corporation (EPC), Power Integrations, Inc., Renesas Electronics (Transphorm), Texas Instruments, STMicroelectronics, Rohm, Nexperia, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Gallium Nitride (GaN) Power Transistor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Device Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Gallium Nitride (GaN) Power Transistor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Gallium Nitride (GaN) Power Transistor Market, Segmentation by Device Type:

GaN HEMT Discrete

GaN Power Stage/Power IC

GaN IPM

Global Gallium Nitride (GaN) Power Transistor Market, Segmentation by Wafer Type:

GaN-on-Si Devices

Others

Global Gallium Nitride (GaN) Power Transistor Market, Segmentation by Voltage:

GaN Power >600V

GaN Power

Contents

1 SUPPLY SUMMARY

- 1.1 Ballast Compactor Introduction
- 1.2 World Ballast Compactor Supply & Forecast
 - 1.2.1 World Ballast Compactor Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Ballast Compactor Production (2021-2032)
 - 1.2.3 World Ballast Compactor Pricing Trends (2021-2032)
- 1.3 World Ballast Compactor Production by Region (Based on Production Site)
 - 1.3.1 World Ballast Compactor Production Value by Region (2021-2032)
 - 1.3.2 World Ballast Compactor Production by Region (2021-2032)
 - 1.3.3 World Ballast Compactor Average Price by Region (2021-2032)
 - 1.3.4 North America Ballast Compactor Production (2021-2032)
 - 1.3.5 Europe Ballast Compactor Production (2021-2032)
 - 1.3.6 China Ballast Compactor Production (2021-2032)
 - 1.3.7 Japan Ballast Compactor Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Ballast Compactor Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Ballast Compactor Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Ballast Compactor Demand (2021-2032)
- 2.2 World Ballast Compactor Consumption by Region
 - 2.2.1 World Ballast Compactor Consumption by Region (2021-2026)
 - 2.2.2 World Ballast Compactor Consumption Forecast by Region (2027-2032)
- 2.3 United States Ballast Compactor Consumption (2021-2032)
- 2.4 China Ballast Compactor Consumption (2021-2032)
- 2.5 Europe Ballast Compactor Consumption (2021-2032)
- 2.6 Japan Ballast Compactor Consumption (2021-2032)
- 2.7 South Korea Ballast Compactor Consumption (2021-2032)
- 2.8 ASEAN Ballast Compactor Consumption (2021-2032)
- 2.9 India Ballast Compactor Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Ballast Compactor Production Value by Manufacturer (2021-2026)

- 3.2 World Ballast Compactor Production by Manufacturer (2021-2026)
- 3.3 World Ballast Compactor Average Price by Manufacturer (2021-2026)
- 3.4 Ballast Compactor Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Ballast Compactor Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Ballast Compactor in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Ballast Compactor in 2025
- 3.6 Ballast Compactor Market: Overall Company Footprint Analysis
 - 3.6.1 Ballast Compactor Market: Region Footprint
 - 3.6.2 Ballast Compactor Market: Company Product Type Footprint
 - 3.6.3 Ballast Compactor Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Ballast Compactor Production Value Comparison
 - 4.1.1 United States VS China: Ballast Compactor Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Ballast Compactor Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Ballast Compactor Production Comparison
 - 4.2.1 United States VS China: Ballast Compactor Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Ballast Compactor Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Ballast Compactor Consumption Comparison
 - 4.3.1 United States VS China: Ballast Compactor Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Ballast Compactor Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Ballast Compactor Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Ballast Compactor Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Ballast Compactor Production Value (2021-2026)

4.4.3 United States Based Manufacturers Ballast Compactor Production (2021-2026)

4.5 China Based Ballast Compactor Manufacturers and Market Share

4.5.1 China Based Ballast Compactor Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Ballast Compactor Production Value (2021-2026)

4.5.3 China Based Manufacturers Ballast Compactor Production (2021-2026)

4.6 Rest of World Based Ballast Compactor Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Ballast Compactor Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Ballast Compactor Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Ballast Compactor Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Ballast Compactor Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Linear Compactor

5.2.2 Point Crossing Compactor

5.2.3 Multipurpose Compactor

5.3 Market Segment by Type

5.3.1 World Ballast Compactor Production by Type (2021-2032)

5.3.2 World Ballast Compactor Production Value by Type (2021-2032)

5.3.3 World Ballast Compactor Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY WORKING METHOD

6.1 World Ballast Compactor Market Size Overview by Working Method: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Working Method

6.2.1 Attachment-Type Ballast Tamping Machine

6.2.2 Self-Propelled Ballast Tamping Machine

6.3 Market Segment by Working Method

6.3.1 World Ballast Compactor Production by Working Method (2021-2032)

6.3.2 World Ballast Compactor Production Value by Working Method (2021-2032)

6.3.3 World Ballast Compactor Average Price by Working Method (2021-2032)

7 MARKET ANALYSIS BY STRENGTHEN TECHNOLOGY

7.1 World Ballast Compactor Market Size Overview by Strengthen Technology: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Strengthen Technology

7.2.1 Vibratory Compaction Type

7.2.2 Impact Compaction Type

7.2.3 Combined Type

7.3 Market Segment by Strengthen Technology

7.3.1 World Ballast Compactor Production by Strengthen Technology (2021-2032)

7.3.2 World Ballast Compactor Production Value by Strengthen Technology (2021-2032)

7.3.3 World Ballast Compactor Average Price by Strengthen Technology (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Ballast Compactor Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Construction of New Railway Line

8.2.2 Track Maintenance

8.3 Market Segment by Application

8.3.1 World Ballast Compactor Production by Application (2021-2032)

8.3.2 World Ballast Compactor Production Value by Application (2021-2032)

8.3.3 World Ballast Compactor Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Plasser&Theurer

9.1.1 Plasser&Theurer Details

9.1.2 Plasser&Theurer Major Business

9.1.3 Plasser&Theurer Ballast Compactor Product and Services

9.1.4 Plasser&Theurer Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Plasser&Theurer Recent Developments/Updates

9.1.6 Plasser&Theurer Competitive Strengths & Weaknesses

9.2 China Railway Construction

9.2.1 China Railway Construction Details

- 9.2.2 China Railway Construction Major Business
- 9.2.3 China Railway Construction Ballast Compactor Product and Services
- 9.2.4 China Railway Construction Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 China Railway Construction Recent Developments/Updates
- 9.2.6 China Railway Construction Competitive Strengths & Weaknesses
- 9.3 Harsco Rail
 - 9.3.1 Harsco Rail Details
 - 9.3.2 Harsco Rail Major Business
 - 9.3.3 Harsco Rail Ballast Compactor Product and Services
 - 9.3.4 Harsco Rail Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Harsco Rail Recent Developments/Updates
 - 9.3.6 Harsco Rail Competitive Strengths & Weaknesses
- 9.4 Spitzke
 - 9.4.1 Spitzke Details
 - 9.4.2 Spitzke Major Business
 - 9.4.3 Spitzke Ballast Compactor Product and Services
 - 9.4.4 Spitzke Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 Spitzke Recent Developments/Updates
 - 9.4.6 Spitzke Competitive Strengths & Weaknesses
- 9.5 MATISA
 - 9.5.1 MATISA Details
 - 9.5.2 MATISA Major Business
 - 9.5.3 MATISA Ballast Compactor Product and Services
 - 9.5.4 MATISA Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 MATISA Recent Developments/Updates
 - 9.5.6 MATISA Competitive Strengths & Weaknesses
- 9.6 Robel
 - 9.6.1 Robel Details
 - 9.6.2 Robel Major Business
 - 9.6.3 Robel Ballast Compactor Product and Services
 - 9.6.4 Robel Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Robel Recent Developments/Updates
 - 9.6.6 Robel Competitive Strengths & Weaknesses
- 9.7 Gemac Engineering Machinery

- 9.7.1 Gemac Engineering Machinery Details
- 9.7.2 Gemac Engineering Machinery Major Business
- 9.7.3 Gemac Engineering Machinery Ballast Compactor Product and Services
- 9.7.4 Gemac Engineering Machinery Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.7.5 Gemac Engineering Machinery Recent Developments/Updates
- 9.7.6 Gemac Engineering Machinery Competitive Strengths & Weaknesses
- 9.8 Remputmash Group
 - 9.8.1 Remputmash Group Details
 - 9.8.2 Remputmash Group Major Business
 - 9.8.3 Remputmash Group Ballast Compactor Product and Services
 - 9.8.4 Remputmash Group Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Remputmash Group Recent Developments/Updates
 - 9.8.6 Remputmash Group Competitive Strengths & Weaknesses
- 9.9 Xi'an Changda Highway Maintenance Technology
 - 9.9.1 Xi'an Changda Highway Maintenance Technology Details
 - 9.9.2 Xi'an Changda Highway Maintenance Technology Major Business
 - 9.9.3 Xi'an Changda Highway Maintenance Technology Ballast Compactor Product and Services
 - 9.9.4 Xi'an Changda Highway Maintenance Technology Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Xi'an Changda Highway Maintenance Technology Recent Developments/Updates
 - 9.9.6 Xi'an Changda Highway Maintenance Technology Competitive Strengths & Weaknesses
- 9.10 Zhengzhou Yuandong Machinery Manufacturing
 - 9.10.1 Zhengzhou Yuandong Machinery Manufacturing Details
 - 9.10.2 Zhengzhou Yuandong Machinery Manufacturing Major Business
 - 9.10.3 Zhengzhou Yuandong Machinery Manufacturing Ballast Compactor Product and Services
 - 9.10.4 Zhengzhou Yuandong Machinery Manufacturing Ballast Compactor Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Zhengzhou Yuandong Machinery Manufacturing Recent Developments/Updates
 - 9.10.6 Zhengzhou Yuandong Machinery Manufacturing Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Ballast Compactor Industry Chain
- 10.2 Ballast Compactor Upstream Analysis
 - 10.2.1 Ballast Compactor Core Raw Materials
 - 10.2.2 Main Manufacturers of Ballast Compactor Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Ballast Compactor Production Mode
- 10.6 Ballast Compactor Procurement Model
- 10.7 Ballast Compactor Industry Sales Model and Sales Channels
 - 10.7.1 Ballast Compactor Sales Model
 - 10.7.2 Ballast Compactor Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Gallium Nitride (GaN) Power Transistor Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Gallium Nitride (GaN) Power Transistor Production Value by Region (2021-2026) & (USD Million)

Table 3. World Gallium Nitride (GaN) Power Transistor Production Value by Region (2027-2032) & (USD Million)

Table 4. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Region (2021-2026)

Table 5. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Region (2027-2032)

Table 6. World Gallium Nitride (GaN) Power Transistor Production by Region (2021-2026) & (K Units)

Table 7. World Gallium Nitride (GaN) Power Transistor Production by Region (2027-2032) & (K Units)

Table 8. World Gallium Nitride (GaN) Power Transistor Production Market Share by Region (2021-2026)

Table 9. World Gallium Nitride (GaN) Power Transistor Production Market Share by Region (2027-2032)

Table 10. World Gallium Nitride (GaN) Power Transistor Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Gallium Nitride (GaN) Power Transistor Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Gallium Nitride (GaN) Power Transistor Major Market Trends

Table 13. World Gallium Nitride (GaN) Power Transistor Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Gallium Nitride (GaN) Power Transistor Consumption by Region (2021-2026) & (K Units)

Table 15. World Gallium Nitride (GaN) Power Transistor Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Gallium Nitride (GaN) Power Transistor Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Gallium Nitride (GaN) Power Transistor Producers in 2025

Table 18. World Gallium Nitride (GaN) Power Transistor Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Gallium Nitride (GaN) Power Transistor Producers in 2025

Table 20. World Gallium Nitride (GaN) Power Transistor Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Gallium Nitride (GaN) Power Transistor Company Evaluation Quadrant

Table 22. World Gallium Nitride (GaN) Power Transistor Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Gallium Nitride (GaN) Power Transistor Production Site of Key Manufacturer

Table 24. Gallium Nitride (GaN) Power Transistor Market: Company Product Type Footprint

Table 25. Gallium Nitride (GaN) Power Transistor Market: Company Product Application Footprint

Table 26. Gallium Nitride (GaN) Power Transistor Competitive Factors

Table 27. Gallium Nitride (GaN) Power Transistor New Entrant and Capacity Expansion Plans

Table 28. Gallium Nitride (GaN) Power Transistor Mergers & Acquisitions Activity

Table 29. United States VS China Gallium Nitride (GaN) Power Transistor Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Gallium Nitride (GaN) Power Transistor Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Gallium Nitride (GaN) Power Transistor Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Gallium Nitride (GaN) Power Transistor Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Gallium Nitride (GaN) Power Transistor Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Market Share (2021-2026)

Table 37. China Based Gallium Nitride (GaN) Power Transistor Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Gallium Nitride (GaN) Power Transistor Production, (2021-2026) & (K Units)

Table 41. China Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Market Share (2021-2026)

Table 42. Rest of World Based Gallium Nitride (GaN) Power Transistor Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Gallium Nitride (GaN) Power Transistor Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Market Share (2021-2026)

Table 47. World Gallium Nitride (GaN) Power Transistor Production Value by Device Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Gallium Nitride (GaN) Power Transistor Production by Device Type (2021-2026) & (K Units)

Table 49. World Gallium Nitride (GaN) Power Transistor Production by Device Type (2027-2032) & (K Units)

Table 50. World Gallium Nitride (GaN) Power Transistor Production Value by Device Type (2021-2026) & (USD Million)

Table 51. World Gallium Nitride (GaN) Power Transistor Production Value by Device Type (2027-2032) & (USD Million)

Table 52. World Gallium Nitride (GaN) Power Transistor Average Price by Device Type (2021-2026) & (US\$/Unit)

Table 53. World Gallium Nitride (GaN) Power Transistor Average Price by Device Type (2027-2032) & (US\$/Unit)

Table 54. World Gallium Nitride (GaN) Power Transistor Production Value by Wafer Type, (USD Million), 2021 & 2025 & 2032

Table 55. World Gallium Nitride (GaN) Power Transistor Production by Wafer Type (2021-2026) & (K Units)

Table 56. World Gallium Nitride (GaN) Power Transistor Production by Wafer Type (2027-2032) & (K Units)

Table 57. World Gallium Nitride (GaN) Power Transistor Production Value by Wafer Type (2021-2026) & (USD Million)

Table 58. World Gallium Nitride (GaN) Power Transistor Production Value by Wafer Type (2027-2032) & (USD Million)

Table 59. World Gallium Nitride (GaN) Power Transistor Average Price by Wafer Type

(2021-2026) & (US\$/Unit)

Table 60. World Gallium Nitride (GaN) Power Transistor Average Price by Wafer Type (2027-2032) & (US\$/Unit)

Table 61. World Gallium Nitride (GaN) Power Transistor Production Value by Voltage, (USD Million), 2021 & 2025 & 2032

Table 62. World Gallium Nitride (GaN) Power Transistor Production by Voltage (2021-2026) & (K Units)

Table 63. World Gallium Nitride (GaN) Power Transistor Production by Voltage (2027-2032) & (K Units)

Table 64. World Gallium Nitride (GaN) Power Transistor Production Value by Voltage (2021-2026) & (USD Million)

Table 65. World Gallium Nitride (GaN) Power Transistor Production Value by Voltage (2027-2032) & (USD Million)

Table 66. World Gallium Nitride (GaN) Power Transistor Average Price by Voltage (2021-2026) & (US\$/Unit)

Table 67. World Gallium Nitride (GaN) Power Transistor Average Price by Voltage (2027-2032) & (US\$/Unit)

Table 68. World Gallium Nitride (GaN) Power Transistor Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Gallium Nitride (GaN) Power Transistor Production by Application (2021-2026) & (K Units)

Table 70. World Gallium Nitride (GaN) Power Transistor Production by Application (2027-2032) & (K Units)

Table 71. World Gallium Nitride (GaN) Power Transistor Production Value by Application (2021-2026) & (USD Million)

Table 72. World Gallium Nitride (GaN) Power Transistor Production Value by Application (2027-2032) & (USD Million)

Table 73. World Gallium Nitride (GaN) Power Transistor Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Gallium Nitride (GaN) Power Transistor Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. Innoscience Basic Information, Manufacturing Base and Competitors

Table 76. Innoscience Major Business

Table 77. Innoscience Gallium Nitride (GaN) Power Transistor Product and Services

Table 78. Innoscience Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Innoscience Recent Developments/Updates

Table 80. Innoscience Competitive Strengths & Weaknesses

Table 81. Infineon (GaN Systems) Basic Information, Manufacturing Base and Competitors

Table 82. Infineon (GaN Systems) Major Business

Table 83. Infineon (GaN Systems) Gallium Nitride (GaN) Power Transistor Product and Services

Table 84. Infineon (GaN Systems) Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Infineon (GaN Systems) Recent Developments/Updates

Table 86. Infineon (GaN Systems) Competitive Strengths & Weaknesses

Table 87. Navitas (GeneSiC) Basic Information, Manufacturing Base and Competitors

Table 88. Navitas (GeneSiC) Major Business

Table 89. Navitas (GeneSiC) Gallium Nitride (GaN) Power Transistor Product and Services

Table 90. Navitas (GeneSiC) Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Navitas (GeneSiC) Recent Developments/Updates

Table 92. Navitas (GeneSiC) Competitive Strengths & Weaknesses

Table 93. Efficient Power Conversion Corporation (EPC) Basic Information, Manufacturing Base and Competitors

Table 94. Efficient Power Conversion Corporation (EPC) Major Business

Table 95. Efficient Power Conversion Corporation (EPC) Gallium Nitride (GaN) Power Transistor Product and Services

Table 96. Efficient Power Conversion Corporation (EPC) Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Efficient Power Conversion Corporation (EPC) Recent Developments/Updates

Table 98. Efficient Power Conversion Corporation (EPC) Competitive Strengths & Weaknesses

Table 99. Power Integrations, Inc. Basic Information, Manufacturing Base and Competitors

Table 100. Power Integrations, Inc. Major Business

Table 101. Power Integrations, Inc. Gallium Nitride (GaN) Power Transistor Product and Services

Table 102. Power Integrations, Inc. Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 103. Power Integrations, Inc. Recent Developments/Updates
- Table 104. Power Integrations, Inc. Competitive Strengths & Weaknesses
- Table 105. Renesas Electronics (Transphorm) Basic Information, Manufacturing Base and Competitors
- Table 106. Renesas Electronics (Transphorm) Major Business
- Table 107. Renesas Electronics (Transphorm) Gallium Nitride (GaN) Power Transistor Product and Services
- Table 108. Renesas Electronics (Transphorm) Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 109. Renesas Electronics (Transphorm) Recent Developments/Updates
- Table 110. Renesas Electronics (Transphorm) Competitive Strengths & Weaknesses
- Table 111. Texas Instruments Basic Information, Manufacturing Base and Competitors
- Table 112. Texas Instruments Major Business
- Table 113. Texas Instruments Gallium Nitride (GaN) Power Transistor Product and Services
- Table 114. Texas Instruments Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. Texas Instruments Recent Developments/Updates
- Table 116. Texas Instruments Competitive Strengths & Weaknesses
- Table 117. STMicroelectronics Basic Information, Manufacturing Base and Competitors
- Table 118. STMicroelectronics Major Business
- Table 119. STMicroelectronics Gallium Nitride (GaN) Power Transistor Product and Services
- Table 120. STMicroelectronics Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. STMicroelectronics Recent Developments/Updates
- Table 122. STMicroelectronics Competitive Strengths & Weaknesses
- Table 123. Rohm Basic Information, Manufacturing Base and Competitors
- Table 124. Rohm Major Business
- Table 125. Rohm Gallium Nitride (GaN) Power Transistor Product and Services
- Table 126. Rohm Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Rohm Recent Developments/Updates
- Table 128. Rohm Competitive Strengths & Weaknesses
- Table 129. Nexperia Basic Information, Manufacturing Base and Competitors

Table 130. Nexperia Major Business

Table 131. Nexperia Gallium Nitride (GaN) Power Transistor Product and Services

Table 132. Nexperia Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Nexperia Recent Developments/Updates

Table 134. Nexperia Competitive Strengths & Weaknesses

Table 135. China Resources Microelectronics Limited Basic Information, Manufacturing Base and Competitors

Table 136. China Resources Microelectronics Limited Major Business

Table 137. China Resources Microelectronics Limited Gallium Nitride (GaN) Power Transistor Product and Services

Table 138. China Resources Microelectronics Limited Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. China Resources Microelectronics Limited Recent Developments/Updates

Table 140. China Resources Microelectronics Limited Competitive Strengths & Weaknesses

Table 141. MACOM Basic Information, Manufacturing Base and Competitors

Table 142. MACOM Major Business

Table 143. MACOM Gallium Nitride (GaN) Power Transistor Product and Services

Table 144. MACOM Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. MACOM Recent Developments/Updates

Table 146. MACOM Competitive Strengths & Weaknesses

Table 147. Sumitomo Electric Device Innovations (SEDI) Basic Information, Manufacturing Base and Competitors

Table 148. Sumitomo Electric Device Innovations (SEDI) Major Business

Table 149. Sumitomo Electric Device Innovations (SEDI) Gallium Nitride (GaN) Power Transistor Product and Services

Table 150. Sumitomo Electric Device Innovations (SEDI) Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Sumitomo Electric Device Innovations (SEDI) Recent Developments/Updates

Table 152. Sumitomo Electric Device Innovations (SEDI) Competitive Strengths & Weaknesses

Table 153. Qorvo Basic Information, Manufacturing Base and Competitors

Table 154. Qorvo Major Business

Table 155. Qorvo Gallium Nitride (GaN) Power Transistor Product and Services

Table 156. Qorvo Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Qorvo Recent Developments/Updates

Table 158. Qorvo Competitive Strengths & Weaknesses

Table 159. NXP Basic Information, Manufacturing Base and Competitors

Table 160. NXP Major Business

Table 161. NXP Gallium Nitride (GaN) Power Transistor Product and Services

Table 162. NXP Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. NXP Recent Developments/Updates

Table 164. NXP Competitive Strengths & Weaknesses

Table 165. RFHIC Corporation Basic Information, Manufacturing Base and Competitors

Table 166. RFHIC Corporation Major Business

Table 167. RFHIC Corporation Gallium Nitride (GaN) Power Transistor Product and Services

Table 168. RFHIC Corporation Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. RFHIC Corporation Recent Developments/Updates

Table 170. RFHIC Corporation Competitive Strengths & Weaknesses

Table 171. Raytheon Basic Information, Manufacturing Base and Competitors

Table 172. Raytheon Major Business

Table 173. Raytheon Gallium Nitride (GaN) Power Transistor Product and Services

Table 174. Raytheon Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Raytheon Recent Developments/Updates

Table 176. Raytheon Competitive Strengths & Weaknesses

Table 177. Dynax Semiconductor Basic Information, Manufacturing Base and Competitors

Table 178. Dynax Semiconductor Major Business

Table 179. Dynax Semiconductor Gallium Nitride (GaN) Power Transistor Product and Services

Table 180. Dynax Semiconductor Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market

Share (2021-2026)

Table 181. Dynax Semiconductor Recent Developments/Updates

Table 182. Dynax Semiconductor Competitive Strengths & Weaknesses

Table 183. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 184. Mitsubishi Electric Major Business

Table 185. Mitsubishi Electric Gallium Nitride (GaN) Power Transistor Product and Services

Table 186. Mitsubishi Electric Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Mitsubishi Electric Recent Developments/Updates

Table 188. Mitsubishi Electric Competitive Strengths & Weaknesses

Table 189. Northrop Grumman Basic Information, Manufacturing Base and Competitors

Table 190. Northrop Grumman Major Business

Table 191. Northrop Grumman Gallium Nitride (GaN) Power Transistor Product and Services

Table 192. Northrop Grumman Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Northrop Grumman Recent Developments/Updates

Table 194. Northrop Grumman Competitive Strengths & Weaknesses

Table 195. CETC 13 Basic Information, Manufacturing Base and Competitors

Table 196. CETC 13 Major Business

Table 197. CETC 13 Gallium Nitride (GaN) Power Transistor Product and Services

Table 198. CETC 13 Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 199. CETC 13 Recent Developments/Updates

Table 200. CETC 13 Competitive Strengths & Weaknesses

Table 201. Ampleon Basic Information, Manufacturing Base and Competitors

Table 202. Ampleon Major Business

Table 203. Ampleon Gallium Nitride (GaN) Power Transistor Product and Services

Table 204. Ampleon Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 205. Ampleon Recent Developments/Updates

Table 206. Ampleon Competitive Strengths & Weaknesses

Table 207. UMS RF Basic Information, Manufacturing Base and Competitors

Table 208. UMS RF Major Business

Table 209. UMS RF Gallium Nitride (GaN) Power Transistor Product and Services

Table 210. UMS RF Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 211. UMS RF Recent Developments/Updates

Table 212. UMS RF Competitive Strengths & Weaknesses

Table 213. CETC 55 Basic Information, Manufacturing Base and Competitors

Table 214. CETC 55 Major Business

Table 215. CETC 55 Gallium Nitride (GaN) Power Transistor Product and Services

Table 216. CETC 55 Gallium Nitride (GaN) Power Transistor Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 217. CETC 55 Recent Developments/Updates

Table 218. CETC 55 Competitive Strengths & Weaknesses

Table 219. Global Key Players of Gallium Nitride (GaN) Power Transistor Upstream (Raw Materials)

Table 220. Global Gallium Nitride (GaN) Power Transistor Typical Customers

Table 221. Gallium Nitride (GaN) Power Transistor Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Gallium Nitride (GaN) Power Transistor Picture

Figure 2. World Gallium Nitride (GaN) Power Transistor Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Gallium Nitride (GaN) Power Transistor Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Gallium Nitride (GaN) Power Transistor Production (2021-2032) & (K Units)

Figure 5. World Gallium Nitride (GaN) Power Transistor Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Region (2021-2032)

Figure 7. World Gallium Nitride (GaN) Power Transistor Production Market Share by Region (2021-2032)

Figure 8. North America Gallium Nitride (GaN) Power Transistor Production (2021-2032) & (K Units)

Figure 9. Europe Gallium Nitride (GaN) Power Transistor Production (2021-2032) & (K Units)

Figure 10. China Gallium Nitride (GaN) Power Transistor Production (2021-2032) & (K Units)

Figure 11. Japan Gallium Nitride (GaN) Power Transistor Production (2021-2032) & (K Units)

Figure 12. South Korea Gallium Nitride (GaN) Power Transistor Production (2021-2032) & (K Units)

Figure 13. Gallium Nitride (GaN) Power Transistor Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 16. World Gallium Nitride (GaN) Power Transistor Consumption Market Share by Region (2021-2032)

Figure 17. United States Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 18. China Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 19. Europe Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 20. Japan Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 21. South Korea Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 22. ASEAN Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 23. India Gallium Nitride (GaN) Power Transistor Consumption (2021-2032) & (K Units)

Figure 24. Producer Shipments of Gallium Nitride (GaN) Power Transistor by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Gallium Nitride (GaN) Power Transistor Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Gallium Nitride (GaN) Power Transistor Markets in 2025

Figure 27. United States VS China: Gallium Nitride (GaN) Power Transistor Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Gallium Nitride (GaN) Power Transistor Production Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Gallium Nitride (GaN) Power Transistor Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Market Share 2025

Figure 31. China Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Market Share 2025

Figure 32. Rest of World Based Manufacturers Gallium Nitride (GaN) Power Transistor Production Market Share 2025

Figure 33. World Gallium Nitride (GaN) Power Transistor Production Value by Device Type, (USD Million), 2021 & 2025 & 2032

Figure 34. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Device Type in 2025

Figure 35. GaN HEMT Discrete

Figure 36. GaN Power Stage/Power IC

Figure 37. GaN IPM

Figure 38. World Gallium Nitride (GaN) Power Transistor Production Market Share by Device Type (2021-2032)

Figure 39. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Device Type (2021-2032)

Figure 40. World Gallium Nitride (GaN) Power Transistor Average Price by Device Type (2021-2032) & (US\$/Unit)

Figure 41. World Gallium Nitride (GaN) Power Transistor Production Value by Wafer Type, (USD Million), 2021 & 2025 & 2032

Figure 42. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Wafer Type in 2025

Figure 43. GaN-on-Si Devices

Figure 44. Others

Figure 45. World Gallium Nitride (GaN) Power Transistor Production Market Share by Wafer Type (2021-2032)

Figure 46. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Wafer Type (2021-2032)

Figure 47. World Gallium Nitride (GaN) Power Transistor Average Price by Wafer Type (2021-2032) & (US\$/Unit)

Figure 48. World Gallium Nitride (GaN) Power Transistor Production Value by Voltage, (USD Million), 2021 & 2025 & 2032

Figure 49. World Gallium Nitride (GaN) Power Transistor Production Value Market Share by Voltage in 2025

Figure 50. GaN Power >600V

Figure 51. GaN Power

I would like to order

Product name: Global Gallium Nitride (GaN) Power Transistor Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G151C75DA2CFEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G151C75DA2CFEN.html>