

2026-2031 Global GaN Semiconductor Device Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

<https://marketpublishers.com/r/G0C77B3418EEEN.html>

Date: August 2026

Pages: 152

Price: US\$ 3,150.00 (Single User License)

ID: G0C77B3418EEEN

Abstracts

HNY Research projects that the GaN Semiconductor Device market size will grow from 2391.9 Million USD in 2025 to 7224.77 Million USD by 2031, at an estimated CAGR of 20.23%. The base year considered for the study is 2025, and the market size is projected from 2026 to 2031.

For 2025 regional market size, the North America market size was 501.82 Million USD, the Europe market size was 435.33 Million USD, and the Asia market size was 416.19 Million USD.

This report presents a detailed and holistic analysis of the global GaN Semiconductor Device market. It integrates quantitative data with qualitative insights to equip readers with the necessary information for strategic planning, competitive assessment, market positioning, and data-driven decision-making.

All market sizes, estimates, and forecasts are expressed in terms of output/shipments and revenue. With 2025 serving as the base year, the report provides historical context from 2020. and projections up to 2031. It includes a complete segmentation of the global market, along with regional market sizes analyzed by type, application, and key industry participants.

Further enriching the analysis, the report outlines the competitive environment, offering profiles of prominent players and their market standings. It also explores key technological advancements and recent developments in product offerings. Ultimately, this report serves as a vital resource for GaN Semiconductor Device manufacturers, prospective entrants, and other stakeholders within the industry value

chain. It supplies comprehensive data on revenues, production, and average pricing for the overall market and its sub-segments, detailed by company, product type, application, and geographic region.

By Market Players:

Infineon (GaN Systems)
STMicroelectronics
Texas Instruments
onsemi
Microchip Technology
Rohm
NXP Semiconductors
Toshiba
Innoscence
Wolfspeed, Inc
Renesas Electronics (Transphorm)
Sumitomo Electric Device Innovations (SEDI) (SCIOCS)
Alpha and Omega Semiconductor Limited (AOS)
Nexperia
Epistar Corp.
Qorvo
Navitas Semiconductor
Power Integrations, Inc.
Efficient Power Conversion Corporation (EPC)
MACOM
VisiC Technologies
Cambridge GaN Devices (CGD)
Wise Integration
RFHIC Corporation
Ampleon
GaNext
Chengdu DanXi Technology
Southchip Semiconductor Technology
Panasonic
Toyoda Gosei
China Resources Microelectronics Limited
CorEnergy
Dynax Semiconductor
Sanan Optoelectronics

Hangzhou Silan Microelectronics
Guangdong ZIENER Technology
CETC 13
CETC 55
Qingdao Cohenius Microelectronics
Youjia Technology (Suzhou) Co., Ltd
Nanjing Xinkansen Technology
GaNPower
CloudSemi
Shenzhen Taigao Technology

By Type

GaN RF Devices
GaN Power Devices

By Application

Telecom & Datacom
Consumer Electronics
Industrial
Automotive & Mobility
Military, Defense & Aerospace
Energy
Others

By Regions/Countries:

North America
East Asia
Europe
South Asia
Southeast Asia
Middle East
Africa
Oceania
South America

Points Covered in The Report

The points that are discussed within the report are the major market players that are involved in the market such as market players, raw material suppliers,

equipment suppliers, end users, traders, distributors and etc.

The complete profile of the companies is mentioned. And the capacity, production, price, revenue, cost, gross, gross margin, sales volume, sales revenue, consumption, growth rate, import, export, supply, future strategies, and the technological developments that they are making are also included within the report. This report analyzed 12 years data history and forecast.

The growth factors of the market is discussed in detail wherein the different end users of the market are explained in detail.

Data and information by market player, by region, by type, by application and etc, and custom research can be added according to specific requirements.

The report contains the SWOT analysis of the market. Finally, the report contains the conclusion part where the opinions of the industrial experts are included.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements.

Contents

1 REPORT OVERVIEW

- 1.1 Study Scope
- 1.2 Key Market Segments
- 1.3 Global Market Size by Player 2020-2025
- 1.4 Global Market Size by Type in 2026-2031
 - 1.4.1 Global Market Size by Type in 2026-2031
 - 1.4.2 GaN RF Devices
 - 1.4.3 GaN Power Devices
- 1.5 Global Market Size by Application in 2026-2031
 - 1.5.1 Global Market Size by Application in 2026-2031
 - 1.5.2 Telecom & Datacom
 - 1.5.3 Consumer Electronics
 - 1.5.4 Industrial
 - 1.5.5 Automotive & Mobility
 - 1.5.6 Military, Defense & Aerospace
 - 1.5.7 Energy
 - 1.5.8 Others
- 1.6 Global Market Size by Region 2026-2031
 - 1.6.1 Global Market Size Outlook 2026-2031
 - 1.6.2 North America
 - 1.6.3 East Asia
 - 1.6.4 Europe
 - 1.6.5 South Asia
 - 1.6.6 Southeast Asia
 - 1.6.7 Middle East
 - 1.6.8 Africa
 - 1.6.9 Oceania
 - 1.6.10 South America
 - 1.6.11 Rest of the World

2 MANUFACTURING COST STRUCTURE ANALYSIS 2026

- 2.1 Manufacturing Cost Structure Analysis of GaN Semiconductor Device 2026
- 2.2 Industry Chain Structure Analysis of GaN Semiconductor Device 2026

3 MARKET COMPETITION ANALYSIS BY PLAYERS 2020-2025

- 3.1 Global GaN Semiconductor Device Production Capacity by Players 2020-2025
- 3.2 Global GaN Semiconductor Device Production Revenue by Players 2020-2025
- 3.3 Global GaN Semiconductor Device Ex-Factory Price by Players 2020-2025

4 MARKET COMPETITION ANALYSIS BY REGION 2020-2025

- 4.1 Global GaN Semiconductor Device Production by Region 2020-2025
 - 4.1.1 Global GaN Semiconductor Device Production Volume by Region 2020-2025
 - 4.1.2 Global GaN Semiconductor Device Production Revenue by Region 2020-2025
- 4.2 Global GaN Semiconductor Device Consumption Volume by Region 2020-2025
- 4.3 North America GaN Semiconductor Device Market Competition Analysis 2020-2025
 - 4.3.1 North America GaN Semiconductor Device Production Volume Analysis 2020-2025
 - 4.3.2 North America GaN Semiconductor Device Production Revenue Analysis 2020-2025
 - 4.3.3 North America GaN Semiconductor Device Sales Volume by Key Players 2020-2025
 - 4.3.4 North America GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025
- 4.4 East Asia GaN Semiconductor Device Market Competition Analysis 2020-2025
 - 4.4.1 East Asia GaN Semiconductor Device Production Volume Analysis 2020-2025
 - 4.4.2 East Asia GaN Semiconductor Device Production Revenue Analysis 2020-2025
 - 4.4.3 East Asia GaN Semiconductor Device Sales Volume by Key Players 2020-2025
 - 4.4.4 East Asia GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025
- 4.5 Europe GaN Semiconductor Device Market Competition Analysis 2020-2025
 - 4.5.1 Europe GaN Semiconductor Device Production Volume Analysis 2020-2025
 - 4.5.2 Europe GaN Semiconductor Device Production Revenue Analysis 2020-2025
 - 4.5.3 Europe GaN Semiconductor Device Sales Volume by Key Players 2020-2025
 - 4.5.4 Europe GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025
- 4.6 South Asia GaN Semiconductor Device Market Competition Analysis 2020-2025
 - 4.6.1 South Asia GaN Semiconductor Device Production Volume Analysis 2020-2025
 - 4.6.2 South Asia GaN Semiconductor Device Production Revenue Analysis 2020-2025
 - 4.6.3 South Asia GaN Semiconductor Device Sales Volume by Key Players 2020-2025
 - 4.6.4 South Asia GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025
- 4.7 Southeast Asia GaN Semiconductor Device Market Competition Analysis

2020-2025

4.7.1 Southeast Asia GaN Semiconductor Device Production Volume Analysis

2020-2025

4.7.2 Southeast Asia GaN Semiconductor Device Production Revenue Analysis

2020-2025

4.7.3 Southeast Asia GaN Semiconductor Device Sales Volume by Key Players

2020-2025

4.7.4 Southeast Asia GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

4.8 Middle East GaN Semiconductor Device Market Competition Analysis 2020-2025

4.8.1 Middle East GaN Semiconductor Device Production Volume Analysis 2020-2025

4.8.2 Middle East GaN Semiconductor Device Production Revenue Analysis

2020-2025

4.8.3 Middle East GaN Semiconductor Device Sales Volume by Key Players

2020-2025

4.8.4 Middle East GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

4.9 Africa GaN Semiconductor Device Market Competition Analysis 2020-2025

4.9.1 Africa GaN Semiconductor Device Production Volume Analysis 2020-2025

4.9.2 Africa GaN Semiconductor Device Production Revenue Analysis 2020-2025

4.9.3 Africa GaN Semiconductor Device Sales Volume by Key Players 2020-2025

4.9.4 Africa GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

4.10 Oceania GaN Semiconductor Device Market Competition Analysis 2020-2025

4.10.1 Oceania GaN Semiconductor Device Production Volume Analysis 2020-2025

4.10.2 Oceania GaN Semiconductor Device Production Revenue Analysis 2020-2025

4.10.3 Oceania GaN Semiconductor Device Sales Volume by Key Players 2020-2025

4.10.4 Oceania GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

4.11 South America GaN Semiconductor Device Market Competition Analysis 2020-2025

4.11.1 South America GaN Semiconductor Device Production Volume Analysis

2020-2025

4.11.2 South America GaN Semiconductor Device Production Revenue Analysis

2020-2025

4.11.3 South America GaN Semiconductor Device Sales Volume by Key Players

2020-2025

4.11.4 South America GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

5 MARKET COMPETITION ANALYSIS BY TYPE (SALES VIEW) 2020-2031

5.1 Global GaN Semiconductor Device Historic Market Size by Type in 2020-2025

5.2 Global GaN Semiconductor Device Forecasted Market Size by Type in 2026-2031

6 MARKET COMPETITION ANALYSIS BY APPLICATION (CONSUMPTION VIEW) 2020-2031

6.1 Global GaN Semiconductor Device Historic Market Size by Application in 2020-2025

6.2 Global GaN Semiconductor Device Forecasted Market Size by Application in 2026-2031

7 LEADING COMPANY PROFILES AND KEY FIGURES IN GAN SEMICONDUCTOR DEVICE BUSINESS 2020-2025

7.1 Infineon (GaN Systems)

7.1.1 Infineon (GaN Systems) Company Profile

7.1.2 Infineon (GaN Systems) GaN Semiconductor Device Product Specification

7.1.3 Infineon (GaN Systems) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.2 STMicroelectronics

7.2.1 STMicroelectronics Company Profile

7.2.2 STMicroelectronics GaN Semiconductor Device Product Specification

7.2.3 STMicroelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.3 Texas Instruments

7.3.1 Texas Instruments Company Profile

7.3.2 Texas Instruments GaN Semiconductor Device Product Specification

7.3.3 Texas Instruments GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.4 onsemi

7.4.1 onsemi Company Profile

7.4.2 onsemi GaN Semiconductor Device Product Specification

7.4.3 onsemi GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.5 Microchip Technology

7.5.1 Microchip Technology Company Profile

7.5.2 Microchip Technology GaN Semiconductor Device Product Specification

7.5.3 Microchip Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.6 Rohm

7.6.1 Rohm Company Profile

7.6.2 Rohm GaN Semiconductor Device Product Specification

7.6.3 Rohm GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.7 NXP Semiconductors

7.7.1 NXP Semiconductors Company Profile

7.7.2 NXP Semiconductors GaN Semiconductor Device Product Specification

7.7.3 NXP Semiconductors GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.8 Toshiba

7.8.1 Toshiba Company Profile

7.8.2 Toshiba GaN Semiconductor Device Product Specification

7.8.3 Toshiba GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.9 Innoscience

7.9.1 Innoscience Company Profile

7.9.2 Innoscience GaN Semiconductor Device Product Specification

7.9.3 Innoscience GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.10 Wolfspeed, Inc

7.10.1 Wolfspeed, Inc Company Profile

7.10.2 Wolfspeed, Inc GaN Semiconductor Device Product Specification

7.10.3 Wolfspeed, Inc GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.11 Renesas Electronics (Transphorm)

7.11.1 Renesas Electronics (Transphorm) Company Profile

7.11.2 Renesas Electronics (Transphorm) GaN Semiconductor Device Product Specification

7.11.3 Renesas Electronics (Transphorm) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.12 Sumitomo Electric Device Innovations (SEDI) (SCIOCS)

7.12.1 Sumitomo Electric Device Innovations (SEDI) (SCIOCS) Company Profile

7.12.2 Sumitomo Electric Device Innovations (SEDI) (SCIOCS) GaN Semiconductor Device Product Specification

7.12.3 Sumitomo Electric Device Innovations (SEDI) (SCIOCS) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.13 Alpha and Omega Semiconductor Limited (AOS)

7.13.1 Alpha and Omega Semiconductor Limited (AOS) Company Profile

7.13.2 Alpha and Omega Semiconductor Limited (AOS) GaN Semiconductor Device Product Specification

7.13.3 Alpha and Omega Semiconductor Limited (AOS) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.14 Nexperia

7.14.1 Nexperia Company Profile

7.14.2 Nexperia GaN Semiconductor Device Product Specification

7.14.3 Nexperia GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.15 Epistar Corp.

7.15.1 Epistar Corp. Company Profile

7.15.2 Epistar Corp. GaN Semiconductor Device Product Specification

7.15.3 Epistar Corp. GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.16 Qorvo

7.16.1 Qorvo Company Profile

7.16.2 Qorvo GaN Semiconductor Device Product Specification

7.16.3 Qorvo GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.17 Navitas Semiconductor

7.17.1 Navitas Semiconductor Company Profile

7.17.2 Navitas Semiconductor GaN Semiconductor Device Product Specification

7.17.3 Navitas Semiconductor GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.18 Power Integrations, Inc.

7.18.1 Power Integrations, Inc. Company Profile

7.18.2 Power Integrations, Inc. GaN Semiconductor Device Product Specification

7.18.3 Power Integrations, Inc. GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.19 Efficient Power Conversion Corporation (EPC)

7.19.1 Efficient Power Conversion Corporation (EPC) Company Profile

7.19.2 Efficient Power Conversion Corporation (EPC) GaN Semiconductor Device Product Specification

7.19.3 Efficient Power Conversion Corporation (EPC) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.20 MACOM

7.20.1 MACOM Company Profile

- 7.20.2 MACOM GaN Semiconductor Device Product Specification
- 7.20.3 MACOM GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.21 VisIC Technologies
 - 7.21.1 VisIC Technologies Company Profile
 - 7.21.2 VisIC Technologies GaN Semiconductor Device Product Specification
 - 7.21.3 VisIC Technologies GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.22 Cambridge GaN Devices (CGD)
 - 7.22.1 Cambridge GaN Devices (CGD) Company Profile
 - 7.22.2 Cambridge GaN Devices (CGD) GaN Semiconductor Device Product Specification
 - 7.22.3 Cambridge GaN Devices (CGD) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.23 Wise Integration
 - 7.23.1 Wise Integration Company Profile
 - 7.23.2 Wise Integration GaN Semiconductor Device Product Specification
 - 7.23.3 Wise Integration GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.24 RFHIC Corporation
 - 7.24.1 RFHIC Corporation Company Profile
 - 7.24.2 RFHIC Corporation GaN Semiconductor Device Product Specification
 - 7.24.3 RFHIC Corporation GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.25 Ampleon
 - 7.25.1 Ampleon Company Profile
 - 7.25.2 Ampleon GaN Semiconductor Device Product Specification
 - 7.25.3 Ampleon GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.26 GaNext
 - 7.26.1 GaNext Company Profile
 - 7.26.2 GaNext GaN Semiconductor Device Product Specification
 - 7.26.3 GaNext GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.27 Chengdu DanXi Technology
 - 7.27.1 Chengdu DanXi Technology Company Profile
 - 7.27.2 Chengdu DanXi Technology GaN Semiconductor Device Product Specification
 - 7.27.3 Chengdu DanXi Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.28 Southchip Semiconductor Technology

7.28.1 Southchip Semiconductor Technology Company Profile

7.28.2 Southchip Semiconductor Technology GaN Semiconductor Device Product Specification

7.28.3 Southchip Semiconductor Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.29 Panasonic

7.29.1 Panasonic Company Profile

7.29.2 Panasonic GaN Semiconductor Device Product Specification

7.29.3 Panasonic GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.30 Toyoda Gosei

7.30.1 Toyoda Gosei Company Profile

7.30.2 Toyoda Gosei GaN Semiconductor Device Product Specification

7.30.3 Toyoda Gosei GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.31 China Resources Microelectronics Limited

7.31.1 China Resources Microelectronics Limited Company Profile

7.31.2 China Resources Microelectronics Limited GaN Semiconductor Device Product Specification

7.31.3 China Resources Microelectronics Limited GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.32 CorEnergy

7.32.1 CorEnergy Company Profile

7.32.2 CorEnergy GaN Semiconductor Device Product Specification

7.32.3 CorEnergy GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.33 Dynax Semiconductor

7.33.1 Dynax Semiconductor Company Profile

7.33.2 Dynax Semiconductor GaN Semiconductor Device Product Specification

7.33.3 Dynax Semiconductor GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.34 Sanan Optoelectronics

7.34.1 Sanan Optoelectronics Company Profile

7.34.2 Sanan Optoelectronics GaN Semiconductor Device Product Specification

7.34.3 Sanan Optoelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.35 Hangzhou Silan Microelectronics

7.35.1 Hangzhou Silan Microelectronics Company Profile

7.35.2 Hangzhou Silan Microelectronics GaN Semiconductor Device Product Specification

7.35.3 Hangzhou Silan Microelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.36 Guangdong ZIENER Technology

7.36.1 Guangdong ZIENER Technology Company Profile

7.36.2 Guangdong ZIENER Technology GaN Semiconductor Device Product Specification

7.36.3 Guangdong ZIENER Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.37 CETC

7.37.1 CETC 13 Company Profile

7.37.2 CETC 13 GaN Semiconductor Device Product Specification

7.37.3 CETC 13 GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.38 CETC

7.38.1 CETC 55 Company Profile

7.38.2 CETC 55 GaN Semiconductor Device Product Specification

7.38.3 CETC 55 GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.39 Qingdao Cohenius Microelectronics

7.39.1 Qingdao Cohenius Microelectronics Company Profile

7.39.2 Qingdao Cohenius Microelectronics GaN Semiconductor Device Product Specification

7.39.3 Qingdao Cohenius Microelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.40 Youjia Technology (Suzhou) Co., Ltd

7.40.1 Youjia Technology (Suzhou) Co., Ltd Company Profile

7.40.2 Youjia Technology (Suzhou) Co., Ltd GaN Semiconductor Device Product Specification

7.40.3 Youjia Technology (Suzhou) Co., Ltd GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.41 Nanjing Xinkansen Technology

7.41.1 Nanjing Xinkansen Technology Company Profile

7.41.2 Nanjing Xinkansen Technology GaN Semiconductor Device Product Specification

7.41.3 Nanjing Xinkansen Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

7.42 GaNPower

- 7.42.1 GaNPower Company Profile
- 7.42.2 GaNPower GaN Semiconductor Device Product Specification
- 7.42.3 GaNPower GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.43 CloudSemi
 - 7.43.1 CloudSemi Company Profile
 - 7.43.2 CloudSemi GaN Semiconductor Device Product Specification
 - 7.43.3 CloudSemi GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025
- 7.44 Shenzhen Taigao Technology
 - 7.44.1 Shenzhen Taigao Technology Company Profile
 - 7.44.2 Shenzhen Taigao Technology GaN Semiconductor Device Product Specification
 - 7.44.3 Shenzhen Taigao Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

8 MARKET FORECAST ANALYSIS ON PRODUCTION AND SUPPLY BY REGION 2026-2031

- 8.1 Global Forecasted Production Capacity of GaN Semiconductor Device 2026-2031
- 8.2 Global Forecasted Production Revenue of GaN Semiconductor Device 2026-2031
- 8.3 Global Forecasted Production Volume of GaN Semiconductor Device by Region 2026-2031
 - 8.3.1 North America Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.2 East Asia Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.3 Europe Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.4 South Asia Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.5 Southeast Asia Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.6 Middle East Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.7 Africa Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.8 Oceania Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.9 South America Forecasted Production of GaN Semiconductor Device 2026-2031
 - 8.3.10 Rest of the World Forecasted Production of GaN Semiconductor Device 2026-2031
- 8.4 Global Forecasted Sales by Type and Consumption by Application in 2026-2031
 - 8.4.1 Global Forecasted Sales Volume, Sales Revenue and Sales Price by Type in 2026-2031
 - 8.4.2 Global Forecasted Consumption Volume and Consumption Value by Application in 2026-2031

9 MARKET FORECAST ANALYSIS ON CONSUMPTION AND DEMAND BY REGION 2026-2031

- 9.1 North America Forecasted Consumption of GaN Semiconductor Device by Country
- 9.2 East Asia Forecasted Consumption of GaN Semiconductor Device by Country
- 9.3 Europe Market Forecasted Consumption of GaN Semiconductor Device by Country
- 9.4 South Asia Forecasted Consumption of GaN Semiconductor Device by Country
- 9.5 Southeast Asia Forecasted Consumption of GaN Semiconductor Device by Country
- 9.6 Middle East Forecasted Consumption of GaN Semiconductor Device by Country
- 9.7 Africa Forecasted Consumption of GaN Semiconductor Device by Country
- 9.8 Oceania Forecasted Consumption of GaN Semiconductor Device by Country
- 9.9 South America Forecasted Consumption of GaN Semiconductor Device by Country
- 9.10 Rest of the World Forecasted Consumption of GaN Semiconductor Device by Country

10 MARKETING CHANNEL, DISTRIBUTORS AND CUSTOMERS ANALYSIS

- 10.1 Marketing Channel
 - 10.1.1 Direct Channels
 - 10.1.2 Indirect Channels

11 MARKET DYNAMICS ANALYSIS

- 11.1 Market Trends
- 11.2 Opportunities and Drivers
- 11.3 Challenges
- 11.4 Porter's Five Forces Analysis

12 CONCLUSION

13 APPENDIX

- 13.1 Methodology/Research Approach
 - 13.1.1 Research Programs/Design
 - 13.1.2 Market Size Estimation
 - 13.1.3 Market Breakdown and Data Triangulation
- 13.2 Data Source
 - 13.2.1 Secondary Sources

- 13.2.2 Primary Sources
- 13.3 Who Trust HNY Research
- 13.4 Disclaimer
- Research Methodology

List Of Tables

LIST OF TABLES

Table Global Market Size in Production Revenue by Player 2020-2025

Table Global Market Size in Sales Revenue by Type in 2026-2031

Table Global Market Size in Consumption Value by Application in 2026-2031

Table Global GaN Semiconductor Device Production Capacity by Players 2020-2025

Table Global GaN Semiconductor Device Production Volume by Players 2020-2025

Table Global GaN Semiconductor Device Production Volume Market Share by Players 2020-2025

Table Global GaN Semiconductor Device Production Revenue by Players 2020-2025

Table Global GaN Semiconductor Device Production Revenue Share by Players 2020-2025

Table Global GaN Semiconductor Device Ex-Factory Price of Key Players 2020-2025

Table Global GaN Semiconductor Device Production Volume by Region 2020-2025

Table Global GaN Semiconductor Device Production Volume Market Share by Region 2020-2025

Table Global GaN Semiconductor Device Production Revenue by Region 2020-2025

Table Global GaN Semiconductor Device Production Revenue Market Share by Region 2020-2025

Table Global GaN Semiconductor Device Consumption Volume by Region 2020-2025

Table Global GaN Semiconductor Device Consumption Volume Market Share by Region 2020-2025

Table North America GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table North America GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table East Asia GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table East Asia GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table Europe GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table Europe GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table South Asia GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table South Asia GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table Southeast Asia GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table Southeast Asia GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table Middle East GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table Middle East GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table Africa GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table Africa GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table Oceania GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table Oceania GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table South America GaN Semiconductor Device Sales Volume by Key Players 2020-2025

Table South America GaN Semiconductor Device Production, Consumption, Import and Export 2020-2025

Table Global GaN Semiconductor Device Historic Sales Revenue by Type in 2020-2025

Table Global GaN Semiconductor Device Historic Sales Revenue Market Share by Type in 2020-2025

Table Global GaN Semiconductor Device Forecasted Sales Revenue by Type in 2026-2031

Table Global GaN Semiconductor Device Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global GaN Semiconductor Device Historic Consumption Value by Application in 2020-2025

Table Global GaN Semiconductor Device Historic Consumption Value Market Share by Application in 2020-2025

Table Global GaN Semiconductor Device Forecasted Consumption Value by Application in 2026-2031

Table Global GaN Semiconductor Device Forecasted Consumption Value Market Share by Application in 2026-2031

Table Infineon (GaN Systems) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table STMicroelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Texas Instruments GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table onsemi GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Microchip Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Rohm GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table NXP Semiconductors GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Toshiba GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Innoscience GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Wolfspeed, Inc GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Renesas Electronics (Transphorm) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Sumitomo Electric Device Innovations (SEDI) (SCIOCS) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Alpha and Omega Semiconductor Limited (AOS) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Nexperia GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Epistar Corp. GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Qorvo GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Navitas Semiconductor GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Power Integrations, Inc. GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Efficient Power Conversion Corporation (EPC) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table MACOM GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table VisIC Technologies GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Cambridge GaN Devices (CGD) GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Wise Integration GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table RFHIC Corporation GaN Semiconductor Device Production Capacity, Revenue,

Price and Gross Margin 2020-2025

Table Ampleon GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table GaNext GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Chengdu DanXi Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Southchip Semiconductor Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Panasonic GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Toyoda Gosei GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table China Resources Microelectronics Limited GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table CorEnergy GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Dynax Semiconductor GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Sanan Optoelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Hangzhou Silan Microelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Guangdong ZIENER Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table CETC 13 GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table CETC 55 GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Qingdao Cohenius Microelectronics GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Youjia Technology (Suzhou) Co., Ltd GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Nanjing Xinkansen Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table GaNPower GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table CloudSemi GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Shenzhen Taigao Technology GaN Semiconductor Device Production Capacity, Revenue, Price and Gross Margin 2020-2025

Table Global Forecasted Production Volume of GaN Semiconductor Device by Region 2026-2031

Table Global Forecasted Sales Volume by Type in 2026-2031

Table Global Forecasted Sales Volume Market Share by Type in 2026-2031

Table Global Forecasted Sales Revenue by Type in 2026-2031

Table Global Forecasted Sales Revenue Market Share by Type in 2026-2031

Table Global Forecasted Sales Price by Type in 2026-2031

Table Global Forecasted Consumption Volume by Application in 2026-2031

Table Global Forecasted Consumption Value by Application in 2026-2031

Table Market Key Trends

Table Key Opportunities and Drivers: Impact Analysis 2026-2031

Table Key Challenges

Table Research Programs/Design for This Report

Table Key Data Information from Secondary Sources

Table Key Data Information from Primary Sources

List Of Figures

LIST OF FIGURES

Figure Global Market Share in Sales Revenue by Type in 2025
Figure GaN RF Devices Features
Figure GaN Power Devices Features
Figure Global Market Share in Consumption Value by Application in 2025
Figure Telecom & Datacom Case Studies
Figure Consumer Electronics Case Studies
Figure Industrial Case Studies
Figure Automotive & Mobility Case Studies
Figure Military, Defense & Aerospace Case Studies
Figure Energy Case Studies
Figure Others Case Studies
Figure Global Market Size in Sales Revenue Outlook 2026-2031
Figure North America GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure East Asia GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure Europe GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure South Asia GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure South America GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure Middle East GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure Africa GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure Oceania GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure South America GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure Rest of the World GaN Semiconductor Device Sales Revenue and Growth Rate 2026-2031
Figure Manufacturing Cost Structure Analysis of GaN Semiconductor Device 2026
Figure Industry Chain Structure Analysis of GaN Semiconductor Device 2026
Figure Global GaN Semiconductor Device Production Volume Market Share by Region in 2025
Figure Global GaN Semiconductor Device Production Revenue Market Share by

Region in 2025

Figure North America GaN Semiconductor Device Production Volume Analysis
2020-2025

Figure North America GaN Semiconductor Device Production Revenue Analysis
2020-2025

Figure East Asia GaN Semiconductor Device Production Volume Analysis 2020-2025

Figure East Asia GaN Semiconductor Device Production Revenue Analysis 2020-2025

Figure Europe GaN Semiconductor Device Production Volume Analysis 2020-2025

Figure Europe GaN Semiconductor Device Production Revenue Analysis 2020-2025

Figure South Asia GaN Semiconductor Device Production Volume Analysis 2020-2025

Figure South Asia GaN Semiconductor Device Production Revenue Analysis 2020-2025

Figure Southeast Asia GaN Semiconductor Device Production Volume Analysis
2020-2025

Figure Southeast Asia GaN Semiconductor Device Production Revenue Analysis
2020-2025

Figure Middle East GaN Semiconductor Device Production Volume Analysis 2020-2025

Figure Middle East GaN Semiconductor Device Production Revenue Analysis
2020-2025

Figure Africa GaN Semiconductor Device Production Volume Analysis 2020-2025

Figure Africa GaN Semiconductor Device Production Revenue Analysis 2020-2025

Figure Oceania GaN Semiconductor Device Production Volume Analysis 2020-2025

Figure Oceania GaN Semiconductor Device Production Revenue Analysis 2020-2025

Figure South America GaN Semiconductor Device Production Volume Analysis
2020-2025

Figure South America GaN Semiconductor Device Production Revenue Analysis
2020-2025

Figure Infineon (GaN Systems) GaN Semiconductor Device Product Specification

Figure STMicroelectronics GaN Semiconductor Device Product Specification

Figure Texas Instruments GaN Semiconductor Device Product Specification

Figure onsemi GaN Semiconductor Device Product Specification

Figure Microchip Technology GaN Semiconductor Device Product Specification

Figure Rohm GaN Semiconductor Device Product Specification

Figure NXP Semiconductors GaN Semiconductor Device Product Specification

Figure Toshiba GaN Semiconductor Device Product Specification

Figure Innoscience GaN Semiconductor Device Product Specification

Figure Wolfspeed, Inc GaN Semiconductor Device Product Specification

Figure Renesas Electronics (Transphorm) GaN Semiconductor Device Product
Specification

Figure Sumitomo Electric Device Innovations (SEDI) (SCIOCS) GaN Semiconductor

Device Product Specification

Figure Alpha and Omega Semiconductor Limited (AOS) GaN Semiconductor Device Product Specification

Figure Nexperia GaN Semiconductor Device Product Specification

Figure Epistar Corp. GaN Semiconductor Device Product Specification

Figure Qorvo GaN Semiconductor Device Product Specification

Figure Navitas Semiconductor GaN Semiconductor Device Product Specification

Figure Power Integrations, Inc. GaN Semiconductor Device Product Specification

Figure Efficient Power Conversion Corporation (EPC) GaN Semiconductor Device Product Specification

Figure MACOM GaN Semiconductor Device Product Specification

Figure VisIC Technologies GaN Semiconductor Device Product Specification

Figure Cambridge GaN Devices (CGD) GaN Semiconductor Device Product Specification

Figure Wise Integration GaN Semiconductor Device Product Specification

Figure RFHIC Corporation GaN Semiconductor Device Product Specification

Figure Ampleon GaN Semiconductor Device Product Specification

Figure GaNext GaN Semiconductor Device Product Specification

Figure Chengdu DanXi Technology GaN Semiconductor Device Product Specification

Figure Southchip Semiconductor Technology GaN Semiconductor Device Product Specification

Figure Panasonic GaN Semiconductor Device Product Specification

Figure Toyoda Gosei GaN Semiconductor Device Product Specification

Figure China Resources Microelectronics Limited GaN Semiconductor Device Product Specification

Figure CorEnergy GaN Semiconductor Device Product Specification

Figure Dynax Semiconductor GaN Semiconductor Device Product Specification

Figure Sanan Optoelectronics GaN Semiconductor Device Product Specification

Figure Hangzhou Silan Microelectronics GaN Semiconductor Device Product Specification

Figure Guangdong ZIENER Technology GaN Semiconductor Device Product Specification

Figure CETC 13 GaN Semiconductor Device Product Specification

Figure CETC 55 GaN Semiconductor Device Product Specification

Figure Qingdao Cohenius Microelectronics GaN Semiconductor Device Product Specification

Figure Youjia Technology (Suzhou) Co., Ltd GaN Semiconductor Device Product Specification

Figure Nanjing Xinkansen Technology GaN Semiconductor Device Product

Specification

Figure GaNPower GaN Semiconductor Device Product Specification

Figure CloudSemi GaN Semiconductor Device Product Specification

Figure Shenzhen Taigao Technology GaN Semiconductor Device Product Specification

Figure Global Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure Global Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure North America Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure North America Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure East Asia Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure East Asia Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure Europe Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure Europe Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure South Asia Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure South Asia Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure Southeast Asia Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure Southeast Asia Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure Middle East Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure Middle East Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure Africa Forecasted Production Capacity of GaN Semiconductor Device 2026-2031

Figure Africa Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure Oceania Forecasted Production Capacity of GaN Semiconductor Device

2026-2031

Figure Oceania Forecasted Production Revenue of GaN Semiconductor Device

2026-2031

Figure South America Forecasted Production Capacity of GaN Semiconductor Device 2026-2031

Figure South America Forecasted Production Revenue of GaN Semiconductor Device 2026-2031

Figure Rest of the World Forecasted Production Capacity of GaN Semiconductor Device 2026-2031

Figure Rest of the World Forecasted Production Revenue of GaN Semiconductor Device 2026-2031

Figure North America Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure North America Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure East Asia Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure East Asia Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure Europe Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure Europe Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure South Asia Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure South Asia Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure Southeast Asia Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure Southeast Asia Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure Middle East Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure Middle East Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure Africa Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure Africa Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure Oceania Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure Oceania Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure South America Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure South America Forecasted Consumption of GaN Semiconductor Device 2031 by Country

Figure Rest of the World Forecasted Consumption of GaN Semiconductor Device 2026-2031

Figure Rest of the World Forecasted Consumption of GaN Semiconductor Device 2031
by Country

Figure Channels of Distribution

Figure Porter's Five Forces Analysis

Figure Key Executives Interviewed

I would like to order

Product name: 2026-2031 Global GaN Semiconductor Device Outlook Market Size, Share & Trends Analysis Report By Player, Type, Application and Region

Product link: <https://marketpublishers.com/r/G0C77B3418EEEN.html>

Price: US\$ 3,150.00 (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/G0C77B3418EEEN.html>