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Global GaN Fast Charging Power ICs Market Research Report 2026

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The global GaN Fast Charging Power ICs market was valued at US$ million in 2025 and is anticipated to reach US$ million by 2032, at a CAGR of %from 2026 to 2032.
The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on GaN Fast Charging Power ICs competitive dynamics, regional economic interdependencies, and supply chain reconfigurations.
Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US$142.1 billion, up 17.0% year-on-year, sales in Europe were US$53.8 billion, up 12.6% year-on-year, and sales in Japan were US$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US$336.2 billion, down 2.0% year-on-year.
This report delivers a comprehensive overview of the global GaN Fast Charging Power ICs market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding GaN Fast Charging Power ICs. The GaN Fast Charging Power ICs market size, estimates, and forecasts are provided in

terms of shipments (K Units) and revenue (US$ millions), with 2025 as the base year and historical and forecast data for 2021–2032.
The report segments the global GaN Fast Charging Power ICs market comprehensively. Regional market sizes by Type, by Application, , and by company are also provided. For deeper insight, the report profiles the competitive landscape, key competitors, and their respective market rankings, and discusses technological trends and new product developments.
This report will assist GaN Fast Charging Power ICs manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.
Market Segmentation
By Company
- Infineon Technologies
- GaN Systems
- Innoscience
- EPC
- Navitas
- Transphorm
- Panasonic
- Exagan

Segment by Type
- 600V
- 650V
- 700V
- Others

by Application
- Consumer Electronics
- Automotive
- IT & Telecommunication
- Aerospace & Defense
- Others

Production by Region
- North America
- Europe
- China
- Japan
- South Korea

Consumption by Region
- North America
- U.S.
- Canada
- Asia-Pacific
- China
- Japan
- South Korea
- China Taiwan
- Southeast Asia
- India
- Australia
- Rest of Asia
- Europe
- Germany
- France
- U.K.
- Italy
- Russia
- Rest of Europe
- Latin America, Middle East & Africa
- Mexico
- Brazil
- Israel

GCC Countries
Chapter Outline
Chapter 1: Defines the scope of the report and presents an executive summary of market segments (by Type, by Application, , etc.), including the size of each segment and its future growth potential. It offers a high-level view of the current market and its likely evolution in the short, medium, and long term.
Chapter 2: Provides a detailed analysis of the competitive landscape for GaN Fast Charging Power ICs manufacturers, including prices, production, value-based market shares, latest development plans, and information on mergers and acquisitions.
Chapter 3: Examines GaN Fast Charging Power ICs production/output and value by region and country, providing a quantitative assessment of market size and growth potential for each region over the next six years.
Chapter 4: Analyzes GaN Fast Charging Power ICs consumption at the regional and country levels. It quantifies market size and growth potential for each region and its key countries, and outlines market development, outlook, addressable space, and national production.
Chapter 5: Analyzes market segments by Type, covering the size and growth potential of each segment to help readers identify “blue ocean” opportunities.
Chapter 6: Analyzes market segments by Application, covering the size and growth potential of each segment to help readers identify “blue ocean” opportunities in downstream markets.
Chapter 7: Profiles key players, detailing the fundamentals of major companies, including product production/output, value, price, gross margin, product portfolio/introductions, and recent developments.
Chapter 8: Reviews the industry value chain, including upstream and downstream segments.
Chapter 9: Discusses market dynamics and recent developments, including drivers, restraints, challenges and risks for manufacturers, U.S. Tariffs and relevant policy analysis.
Chapter 10: Summarizes the key findings and conclusions of the report.