

# Global GaN-on-Si Wafer Market Growth 2024-2030

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## Abstracts

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Gallium nitride (GaN) is used as the wide band gap material for next generation power semiconductors and high frequency devices. Gallium Nitride on Silicon wafers are used for both Power and 5F/RF application, D-mode GaN-on-Si HEMT & E-mode GaN-on-Si HEMT, etc. Currently the key size is 6 inch GaN Si wafer, and the 8 inch GaN Si wafer will grow faster.

The global GaN-on-Si Wafer market size is projected to grow from US\$ 114 million in 2024 to US\$ 529 million in 2030; it is expected to grow at a CAGR of 29.2% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "GaN-on-Si Wafer Industry Forecast" looks at past sales and reviews total world GaN-on-Si Wafer sales in 2023, providing a comprehensive analysis by region and market sector of projected GaN-on-Si Wafer sales for 2024 through 2030. With GaN-on-Si Wafer sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world GaN-on-Si Wafer industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for GaN-on-Si Wafer and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global GaN-on-Si Wafer.

Global key players of GaN-on-Si Wafer include Innoscience, Enkris Semiconductor Inc, DOWA Electronics Materials, NTT Advanced Technology (NTT-AT), IQE, etc. The top five players hold a share over 63%. China is the largest market, with a share about 47%. In terms of product type, 6 inch GaN-on-Si Wafer is the largest segment, occupied for a share of 67%. In terms of application, Consumer Electronics has a share about 87 percent.

This report presents a comprehensive overview, market shares, and growth opportunities of GaN-on-Si Wafer market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

- 6 inch GaN-on-Si Wafer
- 8 inch GaN-on-Si Wafer
- 12 inch GaN-on-Si Wafer
- Others

#### Segmentation by Application:

- Consumer Electronics
- Industrial
- Telecom & Datacom
- Automotive Electronics
- Defense & Aerospace

Renewable & Energy Storage

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

IQE

Soitec (EpiGaN)

Transphorm Inc.

Sumitomo Electric Device Innovations (SEDI) (SCIOCS)

NTT Advanced Technology (NTT-AT)

DOWA Electronics Materials

BTOZ

Episil-Precision Inc

Epistar Corp.

Enkris Semiconductor Inc

Innoscience

China Resources Microelectronics Limited

CorEnergy

Suzhou Nanowin Science and Technology

Qingdao Cohenius Microelectronics

Shaanxi Yuteng Electronic Technology

Sanan Optoelectronics

IVWorks

### Key Questions Addressed in this Report

What is the 10-year outlook for the global GaN-on-Si Wafer market?

What factors are driving GaN-on-Si Wafer market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do GaN-on-Si Wafer market opportunities vary by end market size?

How does GaN-on-Si Wafer break out by Type, by Application?

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