

# Global Isolated Gate Driver ICs Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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### **Abstracts**

According to our (Global Info Research) latest study, the global Isolated Gate Driver ICs market size was valued at USD 725.3 million in 2023 and is forecast to a readjusted size of USD 1012.5 million by 2030 with a CAGR of 4.9% during review period.

This report studies the Isolated Gate Drivers market. A gate driver is a power amplifier that accepts a low-power input from a controller IC and produces a high-current drive input for the gate of a high-power transistor such as an IGBT or power MOSFET. Gate drivers can be provided either on-chip or as a discrete module In power electronics, isolation is required for functional and safety considerations. Due to the use of a gate driver (for example, a half-bridge topology in the driving technology), it will be in contact with a higher bus voltage and current and must be isolated.

Global core isolated gate driver ICs manufacturers include Infineon Technologies, ST Microelectronics, Onsemi etc. The top 3 companies hold a share about 48%. Asia-Pacific is the largest market, with a share about 40%, followed by North America and Europe with the share about 26% and 23%. In terms of product, isolated IGBT gate driver is the largest segment, with a share over 45%. And in terms of application, the largest application is automotive, followed by industrial and telecommunications and consumer electronics.

The Global Info Research report includes an overview of the development of the Isolated Gate Driver ICs industry chain, the market status of Industrial (Isolated IGBT Gate Driver, Isolated MOSFET Gate Driver), Automotive (Isolated IGBT Gate Driver, Isolated MOSFET Gate Driver), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market



trends of Isolated Gate Driver ICs.

Regionally, the report analyzes the Isolated Gate Driver ICs markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Isolated Gate Driver ICs market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### **Key Features:**

The report presents comprehensive understanding of the Isolated Gate Driver ICs market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Isolated Gate Driver ICs industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (M Units), revenue generated, and market share of different by Type (e.g., Isolated IGBT Gate Driver, Isolated MOSFET Gate Driver).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Isolated Gate Driver ICs market.

Regional Analysis: The report involves examining the Isolated Gate Driver ICs market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Isolated Gate Driver ICs market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Isolated Gate Driver ICs:

Company Analysis: Report covers individual Isolated Gate Driver ICs manufacturers,



suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Isolated Gate Driver ICs This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial, Automotive).

Technology Analysis: Report covers specific technologies relevant to Isolated Gate Driver ICs. It assesses the current state, advancements, and potential future developments in Isolated Gate Driver ICs areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Isolated Gate Driver ICs market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

**Market Segmentation** 

Isolated Gate Driver ICs market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Isolated IGBT Gate Driver

Isolated MOSFET Gate Driver

Others

Market segment by Application

Industrial



Automotive
Telecommunications and Consumer Electronics
Others
lajor players covered
lajor players covered
Texas Instruments
Analog Devices
Infineon Technologies
STMicroelectronics
Broadcom
Skyworks (Silicon Labs)
On Semiconductor
ROHM Semiconductor
IXYS
larket segment by region, regional analysis covers
North America (United States, Canada and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)



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

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

Chapter 1, to describe Isolated Gate Driver ICs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Isolated Gate Driver ICs, with price, sales, revenue and global market share of Isolated Gate Driver ICs from 2019 to 2024.

Chapter 3, the Isolated Gate Driver ICs competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Isolated Gate Driver ICs breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Isolated Gate Driver ICs market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Isolated Gate Driver ICs.

Chapter 14 and 15, to describe Isolated Gate Driver ICs sales channel, distributors, customers, research findings and conclusion.



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