

# Global Gate Driver ICs for BLDC Motors Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Gate Driver ICs for BLDC Motors market size was valued at US\$ 317 million in 2025 and is forecast to a readjusted size of US\$ 480 million by 2032 with a CAGR of 6.0% during review period.

Gate Driver ICs for BLDC Motors are specialized integrated circuits designed to control the switching of power transistors in brushless DC motor systems, ensuring precise commutation, optimized efficiency, and robust protection under dynamic load conditions. Their advantages include fast response, low switching loss, enhanced thermal reliability, and simplified motor control integration. The capacity utilization rate in 2025 was 82%, and the industry's average gross margin was about 40%. In 2025, production totaled 385 million units, with an average price of USD 0.8 per unit. Upstream, key inputs consist of silicon wafers and photoresist, with representative suppliers including Shin-Etsu Chemical, SUMCO, GlobalWafers, and Ibiden. The midstream focuses on IC design, driver architecture, protection feature integration, layout optimization, verification, and testing to ensure operational stability and efficiency. Downstream applications include automotive, industrial automation, and home appliances, with key customers such as Toyota, BYD, Siemens, Haier, and LG Electronics.

The demand for Gate Driver ICs for BLDC Motors is closely linked to the widespread adoption of brushless motor applications in automotive, industrial, and consumer electronics sectors. Advances in motor efficiency, compact drive systems, and precision control requirements are increasing the importance of reliable, low-loss, and thermally robust driver ICs. As motor systems become more integrated and operate under higher dynamic loads, the need for ICs that can maintain stable switching performance while

reducing energy loss and heat generation is growing. Manufacturers with strong design capabilities and high-quality production processes are better positioned to support complex motor applications and long-term operational reliability.

This report is a detailed and comprehensive analysis for global Gate Driver ICs for BLDC Motors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Gate Driver ICs for BLDC Motors market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Gate Driver ICs for BLDC Motors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Gate Driver ICs for BLDC Motors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Gate Driver ICs for BLDC Motors market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Gate Driver ICs for BLDC Motors

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Gate Driver ICs for BLDC Motors market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics, Infineon, Rohm Semiconductor, ON Semiconductor, Microchip Technology, Renesas Electronics, NXP Semiconductors, Power Integrations, Skyworks, Analog Devices, etc.

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

## **Market Segmentation**

Gate Driver ICs for BLDC Motors market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

12V

24V

Others

### Market segment by Isolation Type

Non-isolated

Isolated

### Market segment by Package

SOIC Package

TSSOP Package

Others

### Market segment by Application

Automotive

Industrial Automation

Home Appliances

Others

### Major players covered

STMicroelectronics

Infineon

Rohm Semiconductor

ON Semiconductor

Microchip Technology

Renesas Electronics

NXP Semiconductors

Power Integrations

Skyworks

Analog Devices

Power Integrations

IXYS

Diodes

Market 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 Gate Driver ICs for BLDC Motors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gate Driver ICs for BLDC Motors, with price, sales quantity, revenue, and global market share of Gate Driver ICs for BLDC Motors from 2021 to 2026.

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

Chapter 4, the Gate Driver ICs for BLDC Motors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Gate Driver ICs for BLDC Motors market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Gate Driver ICs for BLDC Motors.

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

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