

Global Gate Drivers Market Size, Manufacturers, Opportunities and Forecast to 2030

<https://marketpublishers.com/r/G4800E7976B8EN.html>

Date: April 2024

Pages: 125

Price: US\$ 3,450.00 (Single User License)

ID: G4800E7976B8EN

Abstracts

Gate drivers are electronic circuits that apply correct power levels to metal-oxide field-effect transistors (MOSFETs) and insulated gate bipolar transistors (IGBTs). With power-MOSFETs, gate drivers can be implemented as transformers, discrete transistors, or dedicated integrated circuits (IC).

They can also be integrated within controller ICs. Partitioning the gate-drive function of controllers that use pulse width modulation (PWM) improves controller stability by eliminating the high peak currents and heat dissipation needed to drive power-MOSFETs at very high frequencies.

With IGBTs, gate drivers serve as isolation amplifiers and often provide short-circuit protection. Because of their insulated gates, IGBTs require a continuous gate circuit in order to sustain gate current.

According to APO Research, The global Gate Drivers market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Major manufacturers of door drivers include STMicroelectronics, Infineon, Fairchild Semiconductor, Rohm Semiconductor, and ON Semiconductor. The top five accounted for about 50% of the market.

North America is the main market, accounting for about 60%, followed by Europe at about 20%.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Gate Drivers, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Gate Drivers.

The Gate Drivers market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Gate Drivers market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

STMicroelectronics

Infineon

Fairchild Semiconductor

Rohm Semiconductor

Microchip Technology

ON Semiconductor

NXP Semiconductors

Intersil

Allegro MicroSystems

Texas Instruments

Analog Devices

Avago

Analog Devices

Richtek

Microchip Technology

Diodes

Power Integrations

Semtech

IXYS

NJR

Gate Drivers segment by Type

On-chip Gate Drivers

Discrete Gate Drivers

Gate Drivers segment by Application

Home appliance

Motion Control

Display

Lighting

Automotive

Industrial

Others

Gate Drivers Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to

business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Gate Drivers market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Gate Drivers and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Gate Drivers.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the

driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Gate Drivers manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Gate Drivers in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Gate Drivers Market Size Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Gate Drivers Sales Estimates and Forecasts (2019-2030)
- 1.3 Gate Drivers Market by Type
 - 1.3.1 On-chip Gate Drivers
 - 1.3.2 Discrete Gate Drivers
- 1.4 Global Gate Drivers Market Size by Type
 - 1.4.1 Global Gate Drivers Market Size Overview by Type (2019-2030)
 - 1.4.2 Global Gate Drivers Historic Market Size Review by Type (2019-2024)
 - 1.4.3 Global Gate Drivers Forecasted Market Size by Type (2025-2030)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Gate Drivers Sales Breakdown by Type (2019-2024)
 - 1.5.2 Europe Gate Drivers Sales Breakdown by Type (2019-2024)
 - 1.5.3 Asia-Pacific Gate Drivers Sales Breakdown by Type (2019-2024)
 - 1.5.4 Latin America Gate Drivers Sales Breakdown by Type (2019-2024)
 - 1.5.5 Middle East and Africa Gate Drivers Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

- 2.1 Gate Drivers Industry Trends
- 2.2 Gate Drivers Industry Drivers
- 2.3 Gate Drivers Industry Opportunities and Challenges
- 2.4 Gate Drivers Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Gate Drivers Revenue (2019-2024)
- 3.2 Global Top Players by Gate Drivers Sales (2019-2024)
- 3.3 Global Top Players by Gate Drivers Price (2019-2024)
- 3.4 Global Gate Drivers Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Gate Drivers Key Company Manufacturing Sites & Headquarters
- 3.6 Global Gate Drivers Company, Product Type & Application
- 3.7 Global Gate Drivers Company Commercialization Time
- 3.8 Market Competitive Analysis

- 3.8.1 Global Gate Drivers Market CR5 and HHI
- 3.8.2 Global Top 5 and 10 Gate Drivers Players Market Share by Revenue in 2023
- 3.8.3 2023 Gate Drivers Tier 1, Tier 2, and Tier

4 GATE DRIVERS REGIONAL STATUS AND OUTLOOK

- 4.1 Global Gate Drivers Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global Gate Drivers Historic Market Size by Region
 - 4.2.1 Global Gate Drivers Sales in Volume by Region (2019-2024)
 - 4.2.2 Global Gate Drivers Sales in Value by Region (2019-2024)
 - 4.2.3 Global Gate Drivers Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global Gate Drivers Forecasted Market Size by Region
 - 4.3.1 Global Gate Drivers Sales in Volume by Region (2025-2030)
 - 4.3.2 Global Gate Drivers Sales in Value by Region (2025-2030)
 - 4.3.3 Global Gate Drivers Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 GATE DRIVERS BY APPLICATION

- 5.1 Gate Drivers Market by Application
 - 5.1.1 Home appliance
 - 5.1.2 Motion Control
 - 5.1.3 Display
 - 5.1.4 Lighting
 - 5.1.5 Automotive
 - 5.1.6 Industrial
 - 5.1.7 Others
- 5.2 Global Gate Drivers Market Size by Application
 - 5.2.1 Global Gate Drivers Market Size Overview by Application (2019-2030)
 - 5.2.2 Global Gate Drivers Historic Market Size Review by Application (2019-2024)
 - 5.2.3 Global Gate Drivers Forecasted Market Size by Application (2025-2030)
- 5.3 Key Regions Market Size by Application
 - 5.3.1 North America Gate Drivers Sales Breakdown by Application (2019-2024)
 - 5.3.2 Europe Gate Drivers Sales Breakdown by Application (2019-2024)
 - 5.3.3 Asia-Pacific Gate Drivers Sales Breakdown by Application (2019-2024)
 - 5.3.4 Latin America Gate Drivers Sales Breakdown by Application (2019-2024)
 - 5.3.5 Middle East and Africa Gate Drivers Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

6.1 STMicroelectronics

6.1.1 STMicroelectronics Company Information

6.1.2 STMicroelectronics Business Overview

6.1.3 STMicroelectronics Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.1.4 STMicroelectronics Gate Drivers Product Portfolio

6.1.5 STMicroelectronics Recent Developments

6.2 Infineon

6.2.1 Infineon Company Information

6.2.2 Infineon Business Overview

6.2.3 Infineon Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.2.4 Infineon Gate Drivers Product Portfolio

6.2.5 Infineon Recent Developments

6.3 Fairchild Semiconductor

6.3.1 Fairchild Semiconductor Company Information

6.3.2 Fairchild Semiconductor Business Overview

6.3.3 Fairchild Semiconductor Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.3.4 Fairchild Semiconductor Gate Drivers Product Portfolio

6.3.5 Fairchild Semiconductor Recent Developments

6.4 Rohm Semiconductor

6.4.1 Rohm Semiconductor Company Information

6.4.2 Rohm Semiconductor Business Overview

6.4.3 Rohm Semiconductor Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.4.4 Rohm Semiconductor Gate Drivers Product Portfolio

6.4.5 Rohm Semiconductor Recent Developments

6.5 Microchip Technology

6.5.1 Microchip Technology Company Information

6.5.2 Microchip Technology Business Overview

6.5.3 Microchip Technology Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.5.4 Microchip Technology Gate Drivers Product Portfolio

6.5.5 Microchip Technology Recent Developments

6.6 ON Semiconductor

6.6.1 ON Semiconductor Company Information

6.6.2 ON Semiconductor Business Overview

- 6.6.3 ON Semiconductor Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
- 6.6.4 ON Semiconductor Gate Drivers Product Portfolio
- 6.6.5 ON Semiconductor Recent Developments
- 6.7 NXP Semiconductors
 - 6.7.1 NXP Semiconductors Company Information
 - 6.7.2 NXP Semiconductors Business Overview
 - 6.7.3 NXP Semiconductors Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.7.4 NXP Semiconductors Gate Drivers Product Portfolio
 - 6.7.5 NXP Semiconductors Recent Developments
- 6.8 Intersil
 - 6.8.1 Intersil Company Information
 - 6.8.2 Intersil Business Overview
 - 6.8.3 Intersil Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.8.4 Intersil Gate Drivers Product Portfolio
 - 6.8.5 Intersil Recent Developments
- 6.9 Allegro MicroSystems
 - 6.9.1 Allegro MicroSystems Company Information
 - 6.9.2 Allegro MicroSystems Business Overview
 - 6.9.3 Allegro MicroSystems Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.9.4 Allegro MicroSystems Gate Drivers Product Portfolio
 - 6.9.5 Allegro MicroSystems Recent Developments
- 6.10 Texas Instruments
 - 6.10.1 Texas Instruments Company Information
 - 6.10.2 Texas Instruments Business Overview
 - 6.10.3 Texas Instruments Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.10.4 Texas Instruments Gate Drivers Product Portfolio
 - 6.10.5 Texas Instruments Recent Developments
- 6.11 Analog Devices
 - 6.11.1 Analog Devices Company Information
 - 6.11.2 Analog Devices Business Overview
 - 6.11.3 Analog Devices Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.11.4 Analog Devices Gate Drivers Product Portfolio
 - 6.11.5 Analog Devices Recent Developments
- 6.12 Avago
 - 6.12.1 Avago Company Information
 - 6.12.2 Avago Business Overview

- 6.12.3 Avago Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
- 6.12.4 Avago Gate Drivers Product Portfolio
- 6.12.5 Avago Recent Developments
- 6.13 Analog Devices
 - 6.13.1 Analog Devices Company Information
 - 6.13.2 Analog Devices Business Overview
 - 6.13.3 Analog Devices Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.13.4 Analog Devices Gate Drivers Product Portfolio
 - 6.13.5 Analog Devices Recent Developments
- 6.14 Richtek
 - 6.14.1 Richtek Company Information
 - 6.14.2 Richtek Business Overview
 - 6.14.3 Richtek Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.14.4 Richtek Gate Drivers Product Portfolio
 - 6.14.5 Richtek Recent Developments
- 6.15 Microchip Technology
 - 6.15.1 Microchip Technology Company Information
 - 6.15.2 Microchip Technology Business Overview
 - 6.15.3 Microchip Technology Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.15.4 Microchip Technology Gate Drivers Product Portfolio
 - 6.15.5 Microchip Technology Recent Developments
- 6.16 Diodes
 - 6.16.1 Diodes Company Information
 - 6.16.2 Diodes Business Overview
 - 6.16.3 Diodes Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.16.4 Diodes Gate Drivers Product Portfolio
 - 6.16.5 Diodes Recent Developments
- 6.17 Power Integrations
 - 6.17.1 Power Integrations Company Information
 - 6.17.2 Power Integrations Business Overview
 - 6.17.3 Power Integrations Gate Drivers Sales, Revenue and Gross Margin (2019-2024)
 - 6.17.4 Power Integrations Gate Drivers Product Portfolio
 - 6.17.5 Power Integrations Recent Developments
- 6.18 Semtech
 - 6.18.1 Semtech Company Information
 - 6.18.2 Semtech Business Overview
 - 6.18.3 Semtech Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.18.4 Semtech Gate Drivers Product Portfolio

6.18.5 Semtech Recent Developments

6.19 IXYS

6.19.1 IXYS Company Information

6.19.2 IXYS Business Overview

6.19.3 IXYS Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.19.4 IXYS Gate Drivers Product Portfolio

6.19.5 IXYS Recent Developments

6.20 NJR

6.20.1 NJR Company Information

6.20.2 NJR Business Overview

6.20.3 NJR Gate Drivers Sales, Revenue and Gross Margin (2019-2024)

6.20.4 NJR Gate Drivers Product Portfolio

6.20.5 NJR Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America Gate Drivers Sales by Country

7.1.1 North America Gate Drivers Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.1.2 North America Gate Drivers Sales by Country (2019-2024)

7.1.3 North America Gate Drivers Sales Forecast by Country (2025-2030)

7.2 North America Gate Drivers Market Size by Country

7.2.1 North America Gate Drivers Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Gate Drivers Market Size by Country (2019-2024)

7.2.3 North America Gate Drivers Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe Gate Drivers Sales by Country

8.1.1 Europe Gate Drivers Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Gate Drivers Sales by Country (2019-2024)

8.1.3 Europe Gate Drivers Sales Forecast by Country (2025-2030)

8.2 Europe Gate Drivers Market Size by Country

8.2.1 Europe Gate Drivers Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Gate Drivers Market Size by Country (2019-2024)

8.2.3 Europe Gate Drivers Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Gate Drivers Sales by Country

9.1.1 Asia-Pacific Gate Drivers Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Gate Drivers Sales by Country (2019-2024)

9.1.3 Asia-Pacific Gate Drivers Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific Gate Drivers Market Size by Country

9.2.1 Asia-Pacific Gate Drivers Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Gate Drivers Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Gate Drivers Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America Gate Drivers Sales by Country

10.1.1 Latin America Gate Drivers Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Gate Drivers Sales by Country (2019-2024)

10.1.3 Latin America Gate Drivers Sales Forecast by Country (2025-2030)

10.2 Latin America Gate Drivers Market Size by Country

10.2.1 Latin America Gate Drivers Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Gate Drivers Market Size by Country (2019-2024)

10.2.3 Latin America Gate Drivers Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Gate Drivers Sales by Country

11.1.1 Middle East and Africa Gate Drivers Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Gate Drivers Sales by Country (2019-2024)

11.1.3 Middle East and Africa Gate Drivers Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Gate Drivers Market Size by Country

11.2.1 Middle East and Africa Gate Drivers Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Gate Drivers Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Gate Drivers Market Size Forecast by Country
(2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Gate Drivers Value Chain Analysis

12.1.1 Gate Drivers Key Raw Materials

12.1.2 Key Raw Materials Price

12.1.3 Raw Materials Key Suppliers

12.1.4 Manufacturing Cost Structure

12.1.5 Gate Drivers Production Mode & Process

12.2 Gate Drivers Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Gate Drivers Distributors

12.2.3 Gate Drivers Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

I would like to order

Product name: Global Gate Drivers Market Size, Manufacturers, Opportunities and Forecast to 2030

Product link: <https://marketpublishers.com/r/G4800E7976B8EN.html>

Price: US\$ 3,450.00 (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/G4800E7976B8EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970