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Global Low-Voltage Gate Driver IC Market Growth 2025-2031

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Abstracts

The global Low-Voltage Gate Driver IC market size is predicted to grow from US$ 1024 million in 2025 to US$ 1457 million in 2031; it is expected to grow at a CAGR of 6.0% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A low voltage gate driver IC is an integrated circuit designed specifically to drive low voltage power switching devices (such as low voltage MOSFETs). Its main function is to convert control signals (usually low voltage, low current) into gate signals that can drive power switching devices, ensuring that the devices can be turned on and off reliably in a low voltage environment.

United States market for Low-Voltage Gate Driver IC is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Low-Voltage Gate Driver IC is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Low-Voltage Gate Driver IC is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Low-Voltage Gate Driver IC players cover Texas Instruments, Infineon Technologies, STMicroelectronics, Analog Devices, ON Semiconductor, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

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LP Information, Inc. (LPI) ' newest research report, the “Low-Voltage Gate Driver IC Industry Forecast” looks at past sales and reviews total world Low-Voltage Gate Driver IC sales in 2024, providing a comprehensive analysis by region and market sector of projected Low-Voltage Gate Driver IC sales for 2025 through 2031. With Low-Voltage Gate Driver IC sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Low-Voltage Gate Driver IC industry.

This Insight Report provides a comprehensive analysis of the global Low-Voltage Gate Driver IC 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 Low-Voltage Gate Driver IC portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Low-Voltage Gate Driver IC market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Low-Voltage Gate Driver IC 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 Low-Voltage Gate Driver IC.

This report presents a comprehensive overview, market shares, and growth opportunities of Low-Voltage Gate Driver IC market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single Channel

Multi-channel

Segmentation by Application:

Power Electronics

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Industrial Automation

Automotive Industry

Aerospace

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

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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.

Texas Instruments

Infineon Technologies

STMicroelectronics

Analog Devices

ON Semiconductor

Microchip Technology

ROHM Semiconductor

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NXP Semiconductors

Toshiba Electronic Devices

Maxim Integrated

Silan Microelectronics

Sino Wealth

Wuxi Chipown Micro-electronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Low-Voltage Gate Driver IC market?
What factors are driving Low-Voltage Gate Driver IC market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Low-Voltage Gate Driver IC market opportunities vary by end market size?
How does Low-Voltage Gate Driver IC break out by Type, by Application?

The report requires updating with new data and is sent in 48 hours after order is placed.

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