

Global Single-Channel Isolated Gate Driver ICs Market Growth 2026-2032

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Abstracts

The global Single-Channel Isolated Gate Driver ICs market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

A single-channel isolated gate driver IC is a specialized integrated circuit designed to drive the gate of a power semiconductor device (such as a MOSFET or IGBT) while providing electrical isolation between the input (control side) and the output (power side). These gate driver ICs are essential for safely and efficiently controlling power switches in various applications, especially in high-voltage and high-power environments.

United States market for Single-Channel Isolated Gate Driver ICs is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Single-Channel Isolated Gate Driver ICs is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Single-Channel Isolated Gate Driver ICs is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Single-Channel Isolated Gate Driver ICs players cover Infineon, TI, Allegro MicroSystems, NXP Semiconductors, ON Semiconductor, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Single-Channel Isolated Gate Driver ICs Industry Forecast" looks at past sales and reviews total world Single-Channel Isolated Gate Driver ICs sales in 2025, providing a comprehensive analysis by region and market sector of projected Single-Channel Isolated Gate Driver ICs sales for 2026 through 2032. With Single-Channel Isolated Gate Driver ICs sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Single-Channel Isolated Gate Driver ICs industry.

This Insight Report provides a comprehensive analysis of the global Single-Channel Isolated Gate Driver ICs 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 Single-Channel Isolated Gate Driver ICs portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Single-Channel Isolated Gate Driver ICs market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Single-Channel Isolated Gate Driver ICs and breaks down the forecast by Isolation Voltage(kVrms), 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 Single-Channel Isolated Gate Driver ICs.

This report presents a comprehensive overview, market shares, and growth opportunities of Single-Channel Isolated Gate Driver ICs market by product type, application, key manufacturers and key regions and countries.

Segmentation by Isolation Voltage(kVrms):

3 Below

3-5

5 Above

Segmentation by Application:

Automotive

Industrial

Consumer Electronics

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.

Infineon

TI

Allegro MicroSystems

NXP Semiconductors

ON Semiconductor

STMicroelectronics

Rohm Semiconductor

Microchip Technology

Renesas Electronics

Analog Devices

Diodes

Richtek

NOVOSENSE

Sillumini

Key Questions Addressed in this Report

What is the 10-year outlook for the global Single-Channel Isolated Gate Driver ICs market?

What factors are driving Single-Channel Isolated Gate Driver ICs market growth, globally and by region?

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

How do Single-Channel Isolated Gate Driver ICs market opportunities vary by end market size?

How does Single-Channel Isolated Gate Driver ICs break out by Isolation Voltage(kVrms), by Application?

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