

# Global Motor Control Driver Chip Market Growth 2026-2032

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## Abstracts

The global Motor Control Driver Chip market size is predicted to grow from US\$ 5253 million in 2025 to US\$ 7549 million in 2032; it is expected to grow at a CAGR of 5.3% from 2026 to 2032.

Motor Control Driver Chips are semiconductor devices designed to control and regulate the electrical power supplied to electric motors by converting low-power control signals from microcontrollers or control circuits into high-current, high-voltage outputs capable of driving motor windings. These chips typically integrate functions such as gate driving for power transistors, current regulation, PWM control support, and protection features including overcurrent, overvoltage, and thermal shutdown to ensure safe and efficient motor operation. Motor Control Driver Chips are used to operate various types of motors, including brushed DC motors, brushless DC motors, and stepper motors, and are widely applied in consumer electronics, household appliances, automotive systems, industrial automation equipment, robotics, and other electromechanical systems. Motor Control Driver Chips typically range in price from about \$0.3 to \$10 per unit depending on integration level and application, with most mainstream devices used in consumer electronics and appliances generally priced around \$1.5-\$4 per chip in large-volume production.

The upstream supply chain of Motor Control Driver Chips primarily includes semiconductor raw materials and manufacturing resources such as silicon wafers, electronic chemicals, photomasks, packaging substrates, as well as semiconductor fabrication and packaging services provided by foundries and OSAT companies, along with design tools and IP cores used in chip development. The midstream consists of semiconductor companies that design and manufacture Motor Control Driver Chips, integrating functions such as gate driving, current control, and protection circuits.

Downstream applications are closely tied to industries that rely on electric motors, including consumer electronics and home appliances, automotive electronics such as electric pumps and fans, industrial automation equipment, robotics, drones, power tools, and HVAC systems, where Motor Control Driver Chips serve as key components enabling precise motor control, energy efficiency, and reliable system operation.

The Motor Control Driver Chip market is expected to experience sustained growth as electrification, automation, and energy-efficiency requirements continue to expand across multiple industries. The increasing adoption of electric motors in consumer electronics, household appliances, automotive systems, industrial automation equipment, robotics, and HVAC applications is driving steady demand for efficient motor control solutions. In particular, trends such as vehicle electrification, smart home appliances, factory automation, and the proliferation of drones and service robots are creating new opportunities for Motor Control Driver Chip suppliers. At the same time, semiconductor manufacturers are developing higher-integration solutions that combine control logic, gate drivers, and protection functions to reduce system complexity and improve efficiency. As electric motors remain fundamental components in modern electromechanical systems, Motor Control Driver Chips are expected to maintain strong long-term demand across both high-volume consumer markets and higher-value industrial and automotive applications.

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

This Insight Report provides a comprehensive analysis of the global Motor Control Driver Chip 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 Motor Control Driver Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Motor Control Driver Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Motor Control Driver Chip 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 Motor Control Driver Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Motor Control Driver Chip market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Brushed DC Motor Driver IC

Brushless DC Motor Driver IC

Stepping Motor Driver IC

#### Segmentation by Integration Level:

Fully Discrete

Semi-Integrated

Fully Integrated

#### Segmentation by Motor Drive Topology:

Three-Phase

Multi-Phase

Others

#### Segmentation by Application:

Home Appliances

Power Tools

Automotive

Industrial Servo Systems

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.

NXP Semiconductors

STMicroelectronics

Texas Instruments

Onsemi

Infineon Technologies

Renesas Electronics

Allegro MicroSystems

Toshiba

Microchip Technology

Panasonic

ROHM Semiconductor

Fortior Technology

Nuvoton

Nanjing Linko Semiconductor

SinoWealth

Huada Semiconductor

Silicon Labs

Silan

GigaDevice

Cmsemicon

## **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Motor Control Driver Chip market?

What factors are driving Motor Control Driver Chip market growth, globally and by region?

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

How do Motor Control Driver Chip market opportunities vary by end market

size?

How does Motor Control Driver Chip break out by Type, by Application?

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