

Global Automotive Magnetic Angle Encoder IC Market Growth 2026-2032

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Abstracts

The global Automotive Magnetic Angle Encoder IC market size is predicted to grow from US\$ 118 million in 2025 to US\$ 190 million in 2032; it is expected to grow at a CAGR of 7.3% from 2026 to 2032.

An Automotive Magnetic Angle Encoder IC is an automotive-grade sensor chip used to measure the rotational angle or angular position of a shaft, motor rotor, pedal, valve, steering component, or actuator by detecting the magnetic field from a nearby permanent magnet. It is usually mounted on a PCB near a rotating magnet, and the IC converts the magnetic field direction into an electrical angle signal, such as analog voltage, PWM, SENT, SPI, ABZ, UVW, or other digital outputs.

In 2025, global Automotive Magnetic Angle Encoder IC sales volume reached approximately 92.7 million pcs, with average price of 1.3 USD per pcs.

United States market for Automotive Magnetic Angle Encoder IC 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 Automotive Magnetic Angle Encoder IC 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 Automotive Magnetic Angle Encoder IC is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Automotive Magnetic Angle Encoder IC players cover Allegro MicroSystems, ams OSRAM, Melexis, Broadcom, iC-Haus GmbH, 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 "Automotive Magnetic Angle Encoder IC Industry Forecast" looks at past sales and reviews total world Automotive Magnetic Angle Encoder IC sales in 2025, providing a comprehensive analysis by region and market sector of projected Automotive Magnetic Angle Encoder IC sales for 2026 through 2032. With Automotive Magnetic Angle Encoder IC sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Magnetic Angle Encoder IC industry.

This Insight Report provides a comprehensive analysis of the global Automotive Magnetic Angle Encoder 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 Automotive Magnetic Angle Encoder IC portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive Magnetic Angle Encoder IC market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Magnetic Angle Encoder 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 Automotive Magnetic Angle Encoder IC.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Magnetic Angle Encoder IC market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Magnetoresistive Type

Hall Type

Segmentation by Product:

Absolute Angle Encoder IC

Incremental Magnetic Encoder IC

Segmentation by Application:

Passenger Vehicle

Commercial Vehicle

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.

Allegro MicroSystems

ams OSRAM

Melexis

Broadcom

iC-Haus GmbH

Asahi Kasei Microdevices

TE Connectivity

Magntek

MultiDimension Technology

Semiment Technology

Alpha Electronics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Magnetic Angle Encoder IC market?

What factors are driving Automotive Magnetic Angle Encoder IC market growth, globally and by region?

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

How do Automotive Magnetic Angle Encoder IC market opportunities vary by end market size?

How does Automotive Magnetic Angle Encoder IC break out by Type, by Application?

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