

Global SerDes for Automotive Market Growth 2025-2031

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Abstracts

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The global SerDes for Automotive market size is predicted to grow from US\$ 191 million in 2025 to US\$ 319 million in 2031; it is expected to grow at a CAGR of 8.9% from 2025 to 2031.

A SerDes (Serializer/ Desrializer) is a device used to transmit and receive data over the serial link. The SerDes can be either a stand-alone device or, in most cases, an IP core integrated into a serial bus controller or an ASIC. In essence, a SerDes is a serial transceiver which converts parallel data into a serial data stream on the transmitter side and converts the serial data back to parallel on the receiver side. SerDes technology is enabling transformation across the electronics industry, from datacenter communication throughput to low-power automotive applications.

Global key players of SerDes for automotive include Texas Instruments, Maxim Integrated, NXP, etc. The top three players hold a share about 53%. North America is the largest producer, has a share about 40%, followed by Europe and Japan, both have a share about 17 percent. The largest market is Asia-Pacific, with a share about 40%, followed by North America and Europe, with share 35% and 19%, separately.

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

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for SerDes for Automotive 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 SerDes for Automotive.

This report presents a comprehensive overview, market shares, and growth opportunities of SerDes for Automotive market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

16 Bit and Less

16 to 32 Bit

Above 32 Bit

Segmentation by Application:

Passenger Cars

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.

Texas Instruments

Maxim Integrated

NXP

ON Semiconductor

ROHM Semiconductor

Inova Semiconductors

Broadcom

STMicroelectronics

THine Electronics

Renesas (Intersil)

Infineon

Semtech

Microsemi (Vitesse)

Key Questions Addressed in this Report

What is the 10-year outlook for the global SerDes for Automotive market?

What factors are driving SerDes for Automotive market growth, globally and by region?

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

How do SerDes for Automotive market opportunities vary by end market size?

How does SerDes for Automotive break out by Type, by Application?

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