

# Global Automotive SerDes Chip Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Automotive SerDes Chip market size is expected to reach \$ 2274 million by 2032, rising at a market growth of 17.9% CAGR during the forecast period (2026-2032).

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.

With the popularity of autonomous driving in recent years, the number and resolution of in car cameras are rapidly increasing, and the high-speed demand for camera data is increasing. The demand for no delay and lossless transmission continues to grow, and SerDes technology is used as a dedicated solution for data transmission of car mounted cameras.

As infotainment and advanced driver assistance systems (ADAS) become increasingly sophisticated, accurate and real-time data processing has become more critical for vehicles. The only technology that can manage the explosion of video, audio, and communications data fueling these applications are high-speed serial links. High bandwidth, performance, and reliability of these serial links will continue to be key requirements as the automotive industry advances toward fully autonomous cars.

The global key companies of Automotive SerDes Chip include Analog Devices (Maxim), Texas Instruments, Inova Semiconductors, Sony Semiconductor, ROHM

Semiconductor, THine Electronics, Renesas (Intersil), AIM, Vsitech, Norel Systems, etc. In 2025, the global five largest players hold a share approximately 90% in terms of revenue.

This report studies the global Automotive SerDes Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive SerDes Chip and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive SerDes Chip that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Automotive SerDes Chip total production and demand, 2021-2032, (M Units)

Global Automotive SerDes Chip total production value, 2021-2032, (USD Million)

Global Automotive SerDes Chip production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (M Units), (based on production site)

Global Automotive SerDes Chip consumption by region & country, CAGR, 2021-2032 & (M Units)

U.S. VS China: Automotive SerDes Chip domestic production, consumption, key domestic manufacturers and share

Global Automotive SerDes Chip production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (M Units)

Global Automotive SerDes Chip production by Data Rate, production, value, CAGR, 2021-2032, (USD Million) & (M Units)

Global Automotive SerDes Chip production by Vehicle Type, production, value, CAGR, 2021-2032, (USD Million) & (M Units)

This report profiles key players in the global Automotive SerDes Chip market based on the following parameters - company overview, production, value, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Analog Devices (Maxim), Texas Instruments, Inova Semiconductors, Sony Semiconductor, ROHM Semiconductor, THine Electronics, Renesas (Intersil), AIM, Vsitech, Norel Systems, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive SerDes Chip market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (M Units) and average price (US\$/K Units) by manufacturer, by Data Rate, and by Vehicle Type. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automotive SerDes Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive SerDes Chip Market, Segmentation by Data Rate:

? 6Gbps

? 6Gbps

#### Global Automotive SerDes Chip Market, Segmentation by Application:

In-Vehicle Cameras

Infotainment Systems

Digital Instrument Clusters

Head-Up Display Systems

Others

#### Global Automotive SerDes Chip Market, Segmentation by Transmission Direction:

Unidirectional

Bidirectional

#### Global Automotive SerDes Chip Market, Segmentation by Vehicle Type:

Passenger Cars

Commercial Vehicle

#### Companies Profiled:

Analog Devices (Maxim)

Texas Instruments

Inova Semiconductors

Sony Semiconductor

ROHM Semiconductor

THine Electronics

Renesas (Intersil)

AIM

Vsitech

Norel Systems

**Key Questions Answered:**

1. How big is the global Automotive SerDes Chip market?
2. What is the demand of the global Automotive SerDes Chip market?
3. What is the year over year growth of the global Automotive SerDes Chip market?
4. What is the production and production value of the global Automotive SerDes Chip market?
5. Who are the key producers in the global Automotive SerDes Chip market?
6. What are the growth factors driving the market demand?

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