

# Global SerDes Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global SerDes market size was valued at US\$ 654 million in 2024 and is forecast to a readjusted size of USD 1223 million by 2031 with a CAGR of 9.5% during review period.

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.

Global SerDes main players are Texas Instruments, Maxim Integrated, ON Semiconductor, Avago (Broadcom), etc. Global top four manufacturers hold a share over 60%. North America is the largest market, with a share nearly 35%.

This report is a detailed and comprehensive analysis for global SerDes market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global SerDes market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global SerDes market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global SerDes market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global SerDes market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for SerDes

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global SerDes market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Texas Instruments, Maxim Integrated, ON Semiconductor, NXP, STMicroelectronics, Avago (Broadcom), ROHM Semiconductor, Cypress, Intersil (Renesas), Semtech, etc.

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

## Market Segmentation

SerDes market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

## Market segment by Type

Stand-Alone SerDes

SerDes IP Core

#### Market segment by Application

Optical Fiber Communication

Consumer Electronics

Automotive

Datacenter and Cloud Computing

Others

#### Major players covered

Texas Instruments

Maxim Integrated

ON Semiconductor

NXP

STMicroelectronics

Avago (Broadcom)

ROHM Semiconductor

Cypress

Intersil (Renesas)

Semtech

Vitesse (Microsemi)

Faraday Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe SerDes product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SerDes, with price, sales quantity, revenue, and global market share of SerDes from 2020 to 2025.

Chapter 3, the SerDes competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SerDes breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and SerDes market forecast, by regions, by Type, and by Application, with

sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of SerDes.

Chapter 14 and 15, to describe SerDes sales channel, distributors, customers, research findings and conclusion.

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