

Europe High Speed Connector Market Forecast to 2031 - Regional Analysis - by Product (Board-to-Cable, Board-to-Board, and Others) and Application (Communication, Automotive, Aerospace & Defense, Energy & Power, Electronics, and Others)

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Abstracts

The Europe high speed connector market was valued at US\$ 725.20 million in 2023 and is expected to reach US\$ 1,309.9 million by 2031; it is estimated to register at a CAGR of 7.7% from 2023 to 2031.

Growing Adoption of IoT and Edge Computing Drives Europe High Speed Connector Market

Both IoT and edge computing involve extensive data exchange between devices, sensors, and computing systems. This necessitates high-speed data transmission to efficiently handle vast volumes of information. High-speed connectors have the potential to play a crucial role in facilitating this rapid data flow. Thus, the need for high-speed connectors to facilitate interconnection between devices, sensors, and edge computing modules is driven by the growing use of IoT devices and edge computing solutions. For instance, real-time monitoring and manufacturing process control are achieved in the industrial sector through the application of edge computing. High-speed connectors facilitate the connection of processing units, actuators, and sensors, aiding in effective data transfer and decision-making at the network's edge. This generates opportunities for high-speed connector manufacturers to offer products featuring low power consumption, secure connections, and sturdy designs. High-speed connectors are used in smart home appliances such as lighting controls, security cameras, and thermostats to link the control unit to the several sensors and actuators that are placed throughout the device. Thus, the growing adoption of Internet of Things (IoT) devices and edge

computing creates significant opportunities for the high-speed connector market.

Europe High Speed Connector Market Overview

The high-speed connector market in Europe is segmented into Germany, France, the UK, Italy, Russia, and the Rest of Europe. The increasing use of electronics and infotainment systems in the automotive sector contributes significantly to the high-speed connector market expansion in Europe. Connected cars, driverless cars, advanced infotainment systems, and modern telematics are among the modern trends benefiting the automotive sector, resulting in an upsurge in vehicle sales. Electric systems and infotainment systems require advanced high-speed connectors to proceed with data transfer at a faster rate. Thus, the increasing electrification of vehicles along with the incorporation of telematics bolsters the demand for high-speed connectors. Connectors serve the primary function of establishing connections between coaxial cables, and transceivers & receivers embedded in frequency modulation (FM) systems, satellite radio, safety components, vehicle GPS, and cellular communication devices, among others. The growing adoption of technologies such as artificial intelligence (AI), 5G, and cloud computing necessitates faster data transfer rates, further propelling the demand for high-speed connectors.

Several companies in Europe are introducing new products to address the automotive industry's need for high-speed connectivity solutions. In March 2023, Denso Corporation organized a software innovation program under its new mobility-centered society. The training program focused on advanced driver assistance systems (ADAS), vision sensor recognition technology, and voluntary activities to train cloud computing engineers. In September 2023, Mercedes Benz announced that it was set to offer level 3 hands-free driving services. The company has confirmed that its Level 3 hands-free driving service—Drive Pilot—would be made available for the 2024 EQS sedan at an annual subscription of US\$ 2,500. High-speed connectivity is very important for the precise operation of news programs such as ADAS. Thus, the introduction of new connector products to improve vehicle connectivity is propelling the high-speed connector market growth in Europe.

Europe High Speed Connector Market Revenue and Forecast to 2031 (US\$ Million)

Europe High Speed Connector Market Segmentation

The Europe high speed connector market is segmented based on product, application,

and country.

Based on product, the Europe high speed connector market is segmented into board-to-cable, board-to-board, and others. The board-to-board segment held the largest share in 2023.

In terms of application, the Europe high speed connector market is segmented into communication, automotive, aerospace & defense, energy & power, electronics, and others. The aerospace & defense segment held the largest share in 2023.

Based on country, the Europe high speed connector market is categorized into Germany, France, the UK, Italy, Russia, and the Rest of Europe. Germany dominated the Europe high speed connector market in 2023.

Samtech Inc; Molex LLC; TE Connectivity Ltd; Hirose Electric Co Ltd; Yamaichi Electronics Co., Ltd; Fujitsu Ltd; OMRON Corp; IMS Connector Systems GmbH; and Amphenol Corp are some of the leading companies operating in the Europe high speed connector market.

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