

Global Automotive Ethernet Interface Device 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 Automotive Ethernet Interface Device market size was valued at US\$ 919 million in 2024 and is forecast to a readjusted size of USD 1374 million by 2031 with a CAGR of 5.9% during review period.

Automotive Ethernet interface devices are network devices designed to meet the high-speed communication needs of automotive electronic systems. The core is to combine traditional Ethernet technology with the stringent requirements of the automotive industry to achieve high-bandwidth, low-latency, and high-reliability data transmission in the car. Automotive Ethernet interface devices refer to network devices that comply with IEEE 802.3 standards (such as 100BASE-T1, 1000BASE-T1) and AUTOSAR specifications, and are used to achieve high-speed communication between electronic control units (ECUs) in the car. Its typical forms include: automotive Ethernet switches, physical layer transceivers (PHY), and gateway devices.

This report is a detailed and comprehensive analysis for global Automotive Ethernet Interface Device 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 Automotive Ethernet Interface Device market size and forecasts, in consumption

value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

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

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

Global Automotive Ethernet Interface Device market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/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 Automotive Ethernet Interface Device

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 Automotive Ethernet Interface Device 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 Keysight Technologies, Rohde & Schwarz, Spirent, Vector Informatik, Tektronix, Broadcom, NXP Semiconductors, Microchip, Intrepid Control Systems, Texas Instruments, etc.

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

Market Segmentation

Automotive Ethernet Interface Device 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

Basic Communication

Protocol Conversion

Market segment by Application

Automobile Manufacturing

Other

Major players covered

Keysight Technologies

Rohde & Schwarz

Spirent

Vector Informatik

Tektronix

Broadcom

NXP Semiconductors

Microchip

Intrepid Control Systems

Texas Instruments

TE Connectivity

Semtech

ENNOVI

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 Automotive Ethernet Interface Device product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Automotive Ethernet Interface Device 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 Automotive Ethernet Interface Device 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 Automotive Ethernet Interface Device.

Chapter 14 and 15, to describe Automotive Ethernet Interface Device sales channel, distributors, customers, research findings and conclusion.

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