

Global CAN Bus Transceivers 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 CAN Bus Transceivers market size was valued at US\$ 2227 million in 2024 and is forecast to a readjusted size of USD 3588 million by 2031 with a CAGR of 7.1% during review period.

The CAN transceiver is the CAN physical layer and interfaces the single-ended host CAN protocol controller with the differential CAN bus found in industrial, building automation, and automotive applications.

Controller Area Network (CAN) bus transceivers market has been experiencing several trends and factors influencing its growth. However, please note that the technology landscape, particularly in the field of semiconductors and automotive electronics, can evolve rapidly. Some of the major drivers and trends include:

Growing Automotive Electronics Market:

The increasing integration of electronics in modern vehicles has been a major driver for the CAN bus transceivers market. CAN bus is widely used for communication between various electronic control units (ECUs) within automobiles.

Electrification and Advanced Driver Assistance Systems (ADAS):

The rise in electric vehicles (EVs) and the integration of advanced driver assistance systems (ADAS) in vehicles have bolstered the demand for CAN bus transceivers to facilitate communication between different vehicle systems.

IoT and Industrial Automation:

Beyond automotive applications, CAN bus is finding increased use in industrial automation and IoT (Internet of Things) applications. This broader application spectrum has expanded the market for CAN bus transceivers.

Integration of CAN FD (Flexible Data-Rate):

The integration of CAN FD, an enhanced version of the traditional CAN protocol, has gained traction. CAN FD allows for higher data rates, making it suitable for applications with more data-intensive requirements, further fueling the demand for compatible transceivers.

Advancements in Transceiver Technology:

Ongoing advancements in transceiver technology have resulted in CAN bus transceivers with improved performance, lower power consumption, and higher integration levels, meeting the evolving needs of modern electronic systems.

Focus on Energy Efficiency:

Energy-efficient CAN bus transceivers are becoming increasingly important, especially with the growing emphasis on sustainability and energy efficiency in automotive and industrial sectors.

Shift towards Higher Speeds and Data Rates:

The demand for higher-speed CAN bus transceivers to accommodate larger amounts of data and faster communication is on the rise, driven by the need for more sophisticated automotive and industrial applications.

Compliance with Automotive Safety Standards:

Meeting automotive safety standards and certifications is critical for CAN bus transceiver manufacturers to ensure the reliability and safety of electronic systems within vehicles.

Market Competition and Innovation:

The CAN bus transceivers market is characterized by competition among key players, leading to continuous innovation in terms of features, cost-efficiency, and functionality.

Global Market Expansion:

The market for CAN bus transceivers has been expanding globally, with significant growth observed in regions such as North America, Europe, Asia-Pacific, and other emerging markets.

This report is a detailed and comprehensive analysis for global CAN Bus Transceivers 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 CAN Bus Transceivers market size and forecasts, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2020-2031

Global CAN Bus Transceivers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2020-2031

Global CAN Bus Transceivers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Units), and average selling prices (US\$/K Units), 2020-2031

Global CAN Bus Transceivers market shares of main players, shipments in revenue (\$ Million), sales quantity (M Units), and ASP (US\$/K Units), 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 CAN Bus Transceivers

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 CAN Bus Transceivers 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, Analog Devices, NXP Semiconductor, STMicroelectronics, Infineon Technologies, Robert Bosch, Microchip Technology, Renesas Electronics, ROHM, CAES (Cobham Advanced Electronic Solutions), etc.

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

Market Segmentation

CAN Bus Transceivers 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

Max Data Rate 1Mbps

Max Data Rate 5Mbps

Others

Market segment by Application

Automotive

Industrial

Aerospace & Military

Medical

Others

Major players covered

Texas Instruments

Analog Devices

NXP Semiconductor

STMicroelectronics

Infineon Technologies

Robert Bosch

Microchip Technology

Renesas Electronics

ROHM

CAES (Cobham Advanced Electronic Solutions)

esd electronics

MaxLinear

Novosense Microelectronics

Huaguan Semiconductor

Silicon IoT

Chipanalog

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 CAN Bus Transceivers product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the CAN Bus Transceivers 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 CAN Bus Transceivers 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 CAN Bus Transceivers.

Chapter 14 and 15, to describe CAN Bus Transceivers sales channel, distributors, customers, research findings and conclusion.

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