

# **Global Industrial Transceivers Market Size study & Forecast, by Technology (Single-Mode Industrial Transceivers, Multi-Mode Industrial Transceivers), by Application (Telecommunication and Data Processing, Automation, Power Management and Smart Grid, Electric Vehicles, Renewable Energy, Lighting), and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Industrial Transceivers Market is valued at approximately USD 1.8 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 8.8% over the forecast period 2023-2030. The industrial transceivers market refers to the segment of the electronics industry that focuses on the development, manufacturing, and sale of transceiver devices specifically designed for industrial applications, such as factory automation, process control, robotics, and other industrial environments. The Industrial Transceivers Market is being driven by factors such as the increasing adoption of automation and robotics in the manufacturing industry and the development of cutting-edge communication systems such as 5G.

Industrial transceivers are electronic devices that enable the transmission and reception of data or signals in industrial settings. According to Statista the global 5G adoption in 2021 was 536 million and it rose in 2022 by 1004 million. According to the same source global robotics process automation market size in 2022 was 3.17 billion and is expected to reach 7.01 billion in 2025. Thus, the increasing adoption of 5G and rising adoption of robotics automation is fueling the growth of the market. In addition, the increasing importance of cloud computing and data transmission creates lucrative opportunities for the market. However the high cost of implementing and lack of standardized

communication protocols may hinder the growth of the market throughout the forecast period of 2023-2030.

The key regions considered for the Global Industrial Transceivers Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the rise in investment by prime vendors to boost the industrial transceivers for consumer electronics and IT & telecom applications. Asia Pacific consider the fastest growing region during the forecasted period due to new product developments and a significant rise in investment by prime players and government institutions.

Major market player included in this report are:

Finisar Corporation

Cisco Systems Inc.

Analog Devices Inc.

Renesas Electronics corp.

AMS Technologies AG

CTC Union Technologies Co. Ltd

Fujitsu Ltd.

Eaton Corporation

Senra Tech Pvt. Ltd.

Infineon Technologies AG

Recent Developments in the Market:

In March 2022, STL, a prominent integrator of digital networks, and Analog Devices, Inc. joined forces in a collaboration aimed at developing 5G Open RAN radio units (O-RUs). This partnership was focused on creating 5G-ready solutions that would enhance the variety of commercially available O-RUs and foster the growth of Open RAN networks. As part of their joint efforts, STL and Analog Devices worked closely with other ecosystem providers, including leading power amplifier (PA) vendors, to broaden the range of STL's Garuda O-RU indoor small cell offerings. By integrating Analog Devices' RadioVerse transceivers into Garuda, STL aimed to produce radios that were both power-efficient and high-performing.

Global Industrial Transceivers Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Technology, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Single-Mode Industrial Transceivers

Multi-Mode Industrial Transceivers

By Application:

Telecommunication and Data Processing

Automation

Power Management and Smart Grid

Electric Vehicles

Renewable Energy

Lighting

By Region:

North America

U.S.

Canada

Europe

UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC

Latin America  
Brazil  
Mexico

Middle East & Africa  
Saudi Arabia  
South Africa  
Rest of Middle East & Africa

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