

Global High-speed Optical Transceiver in Data Center Market Growth 2022-2028

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Abstracts

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With boosted investment in data center infrastructure, data centers are also moving towards an ultra-large scale and higher data rates. Open systems, artificial intelligence (AI), machine learning, cloud services, and the ever-expanding number of users and applications all contribute to rapid traffic growth. This exponential growth of data center traffic has driven the robust demand for high-speed optical transceivers. The transition from 100G to 400G and even 800G is already underway.

High-speed optical transceivers come in a compact size and various form factors. They help save a lot of space and are especially useful in tight networking spaces where high data rates are needed. In addition, high-speed optical transceivers are also hot-pluggable, which means they can fit into the existing network without the need to redesign the existing cable infrastructure. This further helps utilize the existing data center space to the fullest.

The global market for High-speed Optical Transceiver in Data Center is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC High-speed Optical Transceiver in Data Center market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States High-speed Optical Transceiver in Data Center market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe High-speed Optical Transceiver in Data Center market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China High-speed Optical Transceiver in Data Center market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key High-speed Optical Transceiver in Data Center players cover Arista, AOI, Broadcom, CommScope and Cisco, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global High-speed Optical Transceiver in Data Center market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global High-speed Optical Transceiver in Data Center market, with both quantitative and qualitative data, to help readers understand how the High-speed Optical Transceiver in Data Center market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in K Units.

Market Segmentation:

The study segments the High-speed Optical Transceiver in Data Center market and forecasts the market size by Type (100G Transceivers, 200G Transceivers and 400G Transceivers), by Application (Small and Medium-sized Data Center, Large Data Center and Very Large Data Center,), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

100G Transceivers

200G Transceivers

400G Transceivers

800G Transceivers

Others

Segmentation by application

Small and Medium-sized Data Center

Large Data Center

Very Large Data Center

Segmentation by region

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

Arista

AOI

Broadcom

CommScope

Cisco

CIG

Fibermall

Juniper

II-VI

Sifotonics

SEDI

T&S Communication Co, Ltd

Chapter Introduction

Chapter 1: Scope of High-speed Optical Transceiver in Data Center, Research Methodology, etc.

Chapter 2: Executive Summary, global High-speed Optical Transceiver in Data Center market size (sales and revenue) and CAGR, High-speed Optical Transceiver in Data Center market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: High-speed Optical Transceiver in Data Center sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global High-speed Optical Transceiver in Data Center sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global High-speed Optical Transceiver in Data Center market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including Arista, AOI, Broadcom, CommScope, Cisco, CIG, Fibermall, Juniper and II-VI, etc.

Chapter 14: Research Findings and Conclusion

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