

# Optical Transceiver Market to Witness Robust Growth by 2030: Key Trends and Insights

*Optical Transceiver Market Expected to Reach \$27.25 Billion By 2030*

WILMINGTON, DE, UNITED STATES, December 2, 2024 /EINPresswire.com/ -- Allied Market Research, titled, "[Optical Transceiver Market](#) By Form Factor, Data Rate, Fiber Type, Distance, Wavelength, Connector, and Application: Global Opportunity Analysis And Industry Forecast, 2021–2030," the optical transceiver market size was valued at \$7.18 billion in 2020, and is projected to reach at \$27.25 billion by 2030, growing at a CAGR of 15.1% during the forecast period.



Global **OPTICAL TRANSCEIVER** Market  
Opportunities and Forecast, 2021–2030

Global Optical Transceiver Market is expected to reach **\$27.25 Billion** by 2030.

Growing at a **CAGR of 15.1%** (2021–2030)

Optical Transceiver Market

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Key factors driving the optical transceiver market include the rise of data centers, increased internet traffic, and demand for advanced network equipment due to COVID-19.”

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An optical transceiver module is an essential part of optical communication devices. It utilizes fiber optical technology to send and receive data through completing the process of optical signal, electrical signal, and optical signal conversion.

The world is more connected than ever before, and hence, the importance of quick, reliable connectivity has increased substantially. The optical networks are faster, more reliable, and more durable. Consequently, there is considerable investment in deploying optical networks by

businesses as well as government, which result in the exponential growth of the global optical transceiver market during the forecast period.

Some of the prime drivers of the global optical transceiver industry are the increase in several

data centers, the surge in data traffic due to increased internet usage, and the increase in demand for advanced network equipment due to the COVID-19 pandemic. However, the high investment costs associated with optical cable networking act as a major barrier to the [optical transceiver market growth](#). Conversely, the rise in the adoption of AI & IoT and the rise in deployment of VoIP, LTE, and 5G networks are expected to create lucrative opportunities for market growth during the forecast period.

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The Optical Transceiver industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Some of the key players in the market are Juniper Networks, Inc., Huawei Technologies Co., Ltd., Sumitomo Electric Industries Ltd, ZTE Corporation, Lumentum Operations LLC, NEC Corporation, Fujitsu Optical Components Limited, Cisco Systems, Inc., Broadcom Inc., and Arista Networks Inc.

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Cisco Systems, Inc.

Broadcom Inc.

Arista Networks Inc.

COVID-19 not only impacted the operations of the various optical transceiver manufacturers companies but also affected the budget of end users. However, the negative impact of COVID-19 on the [optical transceiver market trends](#) is expected to be there for a short period, and by early 2021 the market is anticipated to observe a robust recovery rate along with the extensive demand for optical transceiver products in post-pandemic. This is because a growing number of market players are reassessing their strategies and coming up with quick responses to stabilize their supply chains.

Region-wise, North America holds a significant share of the global optical transceiver market. The U.S. holds the major market share, owing to the presence of leading market players and the higher rate of technology adoption in the region.

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- In 2020, the 41 Gbps to 100 Gbps segment accounted for maximum revenue and is projected to grow at a notable CAGR of 15.9% during the optical transceiver market forecast period.
- The single-mode fiber segment accounted for more than 55.0% of the optical transceiver market share in 2020.
- The data center segment of the market is projected to grow at a CAGR of 16.6% during the forecast period.
- Europe contributed a major share of the market, accounting for more than 35.0% share in 2020.

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David Correa  
Allied Market Research  
+1 800-792-5285  
[email us here](#)  
Visit us on social media:  
[Facebook](#)  
[X](#)

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