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Fiber Optic Components Market with Covid-19 impact by Component (Transceivers, AOCs, Cables, Amplifiers, Splitters, Connectors, Circulators), Data Rate, Application (Communications, Distributed Sensing, Lighting) and Region - Global Forecast to 2027

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Abstracts

The global fiber optic components market is expected to grow from USD 24.5 billion in 2022 to USD 37.5 billion by 2027; it is expected to grow at a CAGR of 8.9% during 2022–2027. Key factors fueling this market's growth include increasing deployment of data centers; growing internet penetration and data traffic; and rising demand for bandwidth. Increase in adoption of fiber optic components in digital signage market; rise in demand for fiber optics due to reliability; and expansion of telecommunication infrastructure in developing economies create a strong demand for fiber optic components for efficient operations in the midst of COVID-19.

“Transceivers to hold the largest size of Fiber optic components market in 2021”

The market for transceivers accounted for the largest size in 2021. The increasing adoption of smart devices (such as smartphones, laptops, home assistants, IoT-based home security systems, and gaming consoles) and the rising data traffic are the key drivers for developing and using high-speed, coherent optical transceiver modules. Furthermore, various governments are taking initiatives to develop modular optical transceivers. Moreover, the introduction of 5G network and integration of artificial intelligence (AI) and Internet of Things (IoT) transformed the optical transceiver market significantly.

"Communications to hold largest share of Fiber optic components market in 2022"

The market for communications is estimated to account for the largest share fiber optic components market, in 2021. The communications application is expected to lead the fiber optic components market by 2027. The deployment of high-speed communication networks and shift toward high-date rate and bandwidth-intensive networks such as 4G, LTE, and 5G create a requirement for optical communication and networking equipment to handle the growing burden of the telecom networks.

"North America to dominate Fiber optic components market in 2021"

In terms of value, North America led the fiber optic components market in 2021, accounting for the largest share of the overall fiber optic components market, by region. Factors such as the robust presence of major companies in the region; high demand for data communication; increased use of communication devices, such as smartphones, tablets, and VoIP equipment; as well as the growing market for wearable devices and increasing deployment of data centers drive the growth of the fiber optic components market in this region.

In the process of determining and verifying the market size for several segments and subsegments gathered through secondary research, extensive primary interviews have been conducted with key industry experts in the fiber optic components market space. The break-up of primary participants for the report has been shown below:

By Company Type: Tier 1= 55%, Tier 2 = 30%, and Tier 3 =15%

By Designation: C-level Executives =50%, Directors =25%, Others = 25%

By Region: North America = 35%, Europe = 25%, APAC = 30%, and RoW = 10%

II-VI Incorporated (US), Lumentum Holdings Inc. (US), Broadcom Inc. (US), Sumitomo Electric Industries (Japan), Accelink Technologies (China), Oclaro (US), Acacia Communications, Inc. (US), EMCORE Corporation (US), Fujitsu Optical Components (Japan), and Furukawa Electric (Japan) are a few major companies dominating the fiber optic components market.

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Research Coverage:

This research report categorizes the global fiber optic components market based on application, type, and geography. The report describes the major drivers, restraints, challenges, and opportunities pertaining to the Fiber optic components industry and forecasts the same till 2027.

Key Benefits of Buying the Report

The report would help leaders/new entrants in this market in the following ways:

1. This report segments the Fiber optic components market comprehensively and provides the closest market size projection for all subsegments across different regions.
2. The report helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, challenges, and opportunities for market growth.
3. This report would help stakeholders understand their competitors better and gain more insights to improve their position in the business. The competitive landscape section includes competitor ecosystem, product development and launch, partnership, and acquisition

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About

According to the new market research report "Fiber Optic Components Market by Component (Transceivers, AOCs, Cables, Amplifiers, Splitters, Connectors, Circulators), Data Rate (10G, 40G, 100G, above 100G), Application (Communications, Distributed Sensing) - Global Forecast to 2023", the fiber optic components market is expected to grow from USD 17.15 Billion in 2018 to USD 27.60 Billion by 2023, at a CAGR of 10%. The factors that are driving the growth of this market are the increasing deployment of data centers, growing internet penetration and data traffic, and rising demand for bandwidth and reliability.

The major players operating in the fiber optic components market are

Finisar (US)

Lumentum (US)

Broadcom (US)

Sumitomo Electric (Japan)

Accelink Technologies (China)

Acacia Communications (US)

EMCORE (US)

Fujitsu Optical Components (Japan)

Furukawa Electric (Japan)

II-VI (US)

Fiber optic components market for AOCs expected to grow at the highest rate during the forecast period

The market for AOCs is expected to grow at the highest CAGR between 2018 and

2023. The cloud technology has developed rapidly with the beginning of the big-data age. To satisfy the demands of higher bandwidth and more applications in a variety of cloud computing environments, active optical cables (AOCs) have been developed.

Fiber optic components market for 100G expected to lead the fiber optic components market between 2018 and 2023

The fiber optic components market for 100G is expected to hold the largest share by 2023. The market for 100G data rate is growing as it offers high-speed, increased data rate, predefined user configuration, and complete automation capabilities.

Communications application expected to lead the fiber optic components market between 2018 and 2023

Among various applications, the communications application expected to account for the largest size of the overall fiber optic components market between 2018 and 2023. The growth of this market can be attributed to the mass utilization of digital technologies and applications in telecommunications, data centers, and enterprises. Also, positive trends in broadband and big data management are also driving the growth of the communications application. With all this development in the communications application, the demand for fiber optic components would also rise.

APAC expected to lead the fiber optic components market between 2018 and 2023

APAC is expected to hold the largest size of the fiber optic components market during the forecast period. The rising industrialization and infrastructural development in this region have offered enormous opportunities for the use of fiber optic components across various applications in APAC.

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