

Passive Optical Components Market 2022: Industry Analysis & Future Growth Prospects to 2028 | Adtran, Inc.

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A large range of passive optical components are available for a variety of applications. They are an essential component of fiber optic network systems, allowing for lower-cost capacity expansions without interfering with other communications.

Furthermore, they are simple to install and can save operational costs. Fiber-optic cable, passive optical switch, and fiber-optic connection are all available from FS. The growing demand for high-bandwidth networks is driving the market for passive optical components. As the world becomes increasingly mobile-oriented, there is an increasing need for these gadgets. Furthermore, the number of persons linked to networks is continually increasing.

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Executive Summary:

During the projected period, the rapid rise of Passive Optical Network (PON) in Asia Pacific is expected to accelerate growth of the worldwide passive optical components market. The region, notably China, has a significant demand for passive optical networks. End-users in China are shifting from wireless to wired optical media as the use of electronic devices and high-volume data traffic grows. For example, at the 7th Ultra-Broadband Forum (UBBF2021) in Dubai in October 2021, Huawei unveiled the DQ ODN and Edge OTN series solutions. These solutions are intended to assist operators in rapidly constructing all-optical target networks that are manageable and visible from end to end, allow high-speed entry into the digital world, and dramatically reduce costs.

The development of the global market for passive optical components, however, is anticipated to be hampered during the forecast period by operational and technical challenges including dispersion, attenuation, signal and data losses, and others.

Global Passive Optical Components Market Segmentation:

According to the study, the global Passive Optical Components Market is divided into segments based on product type and application. The market share and growth rate of each segment are used to evaluate it. Additionally, the analysts have considered potential areas that might profit Passive Optical Components Market producers in the ensuing years. Accurate value and volume estimates are provided by the regional research, enabling market participants to have a complete picture of the Passive Optical Components Market business as a whole.

Detailed Segmentation:

- Global Passive Optical Components Market, By Components:

- Optical cables
- Optical power splitters
- Optical couplers
- Optical encoders
- Optical connectors
- Patch cords and pigtails
- Optical amplifiers
- Fixed and variable optical attenuators
- Optical transceivers
- Optical circulators
- Optical filters
- Wavelength Division Multiplexers/De-multiplexers
- Others

• Global Passive Optical Components Market, By Application:

- Interoffice
- Loop feeder
- Fiber In The Loop (FITL)
- Hybrid Fiber-Coaxial Cable (HFC)
- Synchronous Optical Network (SONET)
- Synchronous Digital Hierarchy (SDH) systems

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During the COVID-19 epidemic, the market for passive optical components expanded significantly worldwide. The COVID-19 epidemic in China created havoc around the globe, forcing nations to close their borders and halt international travel. To stop the coronavirus from spreading, strict laws were put in place, such a nationwide shutdown. Due to more individuals remaining at home, the market grew more rapidly during the pandemic as a result of increased demand for high speed networks and increasing use of streaming services like Amazon Prime Videos and Netflix.

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The key manufacturers in the market are mentioned in this section of the report. It helps the reader in grasping the tactics and alliances that participants are adopting to resist market competition. The extensive research offers an important microscopic view of the market. Analyzing the regional revenue of manufacturers during the predicted period will enable the reader to locate their geographic footprints.

The base on geography, the world market of Passive Optical Components Market has been segmented as follows:

- North America includes the United States, Canada, and Mexico
- Europe includes Germany, France, the UK, Italy, Spain
- South America includes Colombia, Argentina, Nigeria, and Chile
- The Asia Pacific includes Japan, China, Korea, India, Saudi Arabia, and Southeast Asia

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Growth in Gigabit Passive Optical Network (GPON) SoC technologies is predicted to drive the

global market for passive optical components, with a CAGR of during the forecast period. For instance, in May 2021, Nokia announced that AirFiber Networks, an ISP in South India, will be introducing high-speed data services and expanding its network utilizing Nokia's GPON broadband solution.

Due to rising investments in fiber deployment in the region's middle-income nations, Asia Pacific is anticipated to experience strong growth in the global market for passive optical components over the course of the forecast period.

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Mr. Shah

Coherent Market Insights Pvt. Ltd.

+ +1 206-701-6702

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