

Global Coherent Optical Equipment Market Size study & Forecast, by Technology (100G, 200G, 400G+, and 400G ZR), by Equipment (Wavelength-division Multiplexer (WDM) , Modules/Chips, Test & Measurement Equipment, Optical Amplifiers, Optical Switches, and Others), by Application (Networking, Data Center, and Original Equipment Manufacturer (OEMs)), and by End User (Service Provider, Public Sector, and Industries) and Regional Analysis, 2022-2029

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Abstracts

Global Coherent Optical Equipment Market is valued at approximately USD 45.13 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 9.22% over the forecast period 2022-2029. Coherent Optical Equipment can be defined as a central device that promotes 1,00G+ speed of information transmission capacity. Coherent fiber optics uses the natural properties of light to optimize digital modulation practices and fiber optic carrying capacity in long-range applications. Moreover, coherent fiber optics can be customized to perform different applications and line rates. Generally, high spectral efficiency and reduced amplification requirements are ideal for high-bandwidth dense wave division multiplexing (DWDM) applications. The increasing internet penetration across the globe and rising technological advancements in networking infrastructure are key factors driving the market growth.

Over the years the penetration of internet services has rapidly increased across the globe. For instance – as per India Brand Equity Foundation (IBEF) – in 2020, India had



around 622 million users, and as per estimation, the number of users would reach to 900 million by 2025. Additionally, as per Statista – in 2019, the number of Internet users worldwide was estimated at 4.2 billion, and this number is projected to reach 5.3 billion by 2023. Also, growing investment in optical fiber infrastructure and the rapid emergence of the internet and its associated services in rural areas would create a lucrative growth prospectus for the market over the forecast period. However, the lack of efficient fiber networks in major countries stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Coherent Optical Equipment Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the high number of internet users and the presence of leading market players in the region. Whereas Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising growth of high-speed internet services and increasing investment from telecommunication companies towards deployment of optical fiber network infrastructure in the region.

Major market player included in this report are: CIENA Corporation Cisco Systems, Inc. ECI Telecom Fujitsu Limited Huawei Technologies Co., Ltd INFINERA CORPORATION NEC Corporation Nokia Corporation Telefonaktiebolaget LM Ericsson (Ericsson) ZTE Corporation

Recent Developments in the Market:

In October 2021, Microchip Technology and Cisco's Acacia unit collaborated to validate the interoperability of their 400G pluggable optics components – Microchip's DIGI-G5 OTN processor and META-DX1 terabit secured-Ethernet PHY and Acacia's 400G pluggable coherent optics. This collaboration is intended to establish an ecosystem to support 400G CFP2-DCO, QSFP-DD and OSFP modules for the 400ZR specification as well as the OpenZR+ and Open ROADM Multi-Source Agreement (MSA) applications.



Global Coherent Optical Equipment Market Report Scope: Historical Data 2019-2020-2021 Base Year for Estimation 2021 Forecast period 2022-2029 Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends Segments Covered Technology, Equipment, Application, End User, Region Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World 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 100G 200G 400G+ 400G ZR By Equipment Wavelength-division Multiplexer (WDM) Modules/Chips **Test & Measurement Equipment Optical Amplifiers Optical Switches** Others By Application Networking Data Center Original Equipment Manufacturers (OEMs) By End User



Service Provider Public Sector Industries

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 RoLA Rest of the World



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