

Coherent Optical Equipment Market by Technology (100G, 200G, 400G+, and 400G ZR), Equipment (WDM (Wavelength-division Multiplexer), Modules/Chips, Test & Measurement Equipment, Optical Amplifiers, Optical Switches, and Others), Application (Networking, Data Center, and Original Equipment Manufacturer (OEMs)), and End User (Service Provider, Public Sector, and Industries): Global Opportunity Analysis and Industry Forecast, 2019–2026

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Abstracts

Coherent optics equipment includes optical networking devices and equipment that help to promote 100G+ speed and aid in transmitting high volume of information by increasing the transmission capacity by using optical phase and polarization information. This, in turn, communicates substantially high volume of information onto the light speeding through a fiber optic cable.

Coherent optics resolves the transmission capacity issue by using modulation of the amplitude and phase of the light, and modulation of transmission across two polarizations. This issue is resolved by increasing the volume of information that is being transported through a fiber optic cable. .

Rise in need for high-speed bandwidth and increase in data traffic have encouraged the network operators to deploy coherent optical technologies, which acts as a key factor that drives the growth of the global coherent optical equipment market. Supportive

government and industry initiatives toward development of network infrastructure and technological advancements across the globe such as introduction of 5G infrastructure have propelled the growth of the global market. Furthermore, upsurge in number of netizens and rise in penetration of smartphone and mobile devices have augmented the network traffic, which, in turn, is expected to boost growth of the global market. However, high initial investment required for deployment of coherent optical systems restrains the market growth. In addition, expansion by telecom service providers in rural areas is anticipated to present lucrative growth opportunities for service providers.

The global coherent optical equipment market is segmented into technology, equipment, application, end user, and region. By technology, the market is categorized into 100G, 200G, 400G+, and 400G ZR. On the basis of equipment, it is fragmented into wavelength-division multiplexer (WDM), modules/chips, test & measurement equipment, optical amplifiers, optical switches, and others. The applications covered in the study include networking, data center, and original equipment manufacturers (OEMs). Depending on end user, the market is segregated into service provider, public sector, and industries. Regionwise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players profiled in the coherent optical equipment report include Ciena Corporation, Cisco Systems, Inc., ECI Telecom Ltd, Fujitsu Limited, Huawei Technologies Co., Ltd., Infinera Corporation, NEC Corporation, Nokia Corporation, Telefonaktiebolaget LM Ericsson, and ZTE Corporation.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the coherent optical equipment market trends to elucidate the imminent investment pockets.

Information about key drivers, restraints, and opportunities and their impact analyses on the global coherent optical equipment market size is provided.

Porter's five forces analysis illustrates the potency of the buyers and suppliers operating in the global coherent optical equipment industry.

The quantitative analysis of the market from 2018 to 2026 is provided to determine the global

coherent optical equipment market potential.

KEY MARKET SEGMENTS

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

Germany

France

UK

Rest of Europe

Asia-Pacific

Japan

China

India

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY MARKET PLAYERS

Ciena Corporation

Cisco Systems, Inc.

ECI Telecom Ltd

Fujitsu Limited

Huawei Technologies Co., Ltd.

Infinera Corporation

NEC Corporation

Nokia Corporation

Telefonaktiebolaget LM Ericsson

ZTE Corporation

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