

# Global Active Optical Cable Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GDBC58344D4EN.html>

Date: January 2024

Pages: 134

Price: US\$ 3,480.00 (Single User License)

ID: GDBC58344D4EN

## Abstracts

According to our (Global Info Research) latest study, the global Active Optical Cable market size was valued at USD 2349.9 million in 2023 and is forecast to a readjusted size of USD 9936.4 million by 2030 with a CAGR of 22.9% during review period.

An active optical cable (AOC) is a cabling technology that uses optical fiber between the connectors to improve the cable's performance. There is a rise in demand for AOC as it serves as an alternative to copper cables, due to its various advantages such as small bend radius for easy installment, low power consumption, and light weight. Applications of these cables have expanded, from high-performance computers to networking and storage with the support of many protocols. In addition, AOCs rely on different protocols, such as InfiniBand, USB, and Ethernet, for data transmission.

Global active optical cables Application segment consists of Data Center, Consumer Electronics, High-performance Computing(HPC), Digital Signage and Others. The growing demand for active optical cable in data center, worldwide is one of the key drivers of the market. The data center market also needs a broad portfolio of fiber optic modules to connect servers, switches, and storage, which is accomplished by active optical cable. Therefore, increase in the deployment of data center is a key driver of market. Data Center was estimated to account for a sales share of 43.52% in 2020. This report focuses on the active optical cables in global market, especially in North America, Europe, Asia-Pacific, South America and Middle East & Africa. As the largest consumer country, USA consumed 1524.3 K Units of active optical cables in 2019, accounting for 31.19% of the global total. China is the second important consumer country, with consumption accounting for 12.16% of the global in 2019. The Key players operating into Global active optical cables Market are II-VI (Finisar), Siemon, Broadcom,

Mellanox Technologies and Amphenol ICC, etc. II-VI (Finisar) and Siemon are the two players with the largest sales share, occupying 11.23% and 10.38% of the market share in 2019, respectively.

The Global Info Research report includes an overview of the development of the Active Optical Cable industry chain, the market status of Data Center (InfiniBand, Ethernet), Consumer Electronics (InfiniBand, Ethernet), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Active Optical Cable.

Regionally, the report analyzes the Active Optical Cable markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Active Optical Cable market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Active Optical Cable market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Active Optical Cable industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., InfiniBand, Ethernet).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Active Optical Cable market.

**Regional Analysis:** The report involves examining the Active Optical Cable market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Active Optical Cable market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Active Optical Cable:

**Company Analysis:** Report covers individual Active Optical Cable manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Active Optical Cable. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Data Center, Consumer Electronics).

**Technology Analysis:** Report covers specific technologies relevant to Active Optical Cable. It assesses the current state, advancements, and potential future developments in Active Optical Cable areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Active Optical Cable market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Active Optical Cable market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

InfiniBand

Ethernet

HDMI

USB

DisplayPort

Others

### Market segment by Application

Data Center

Consumer Electronics

High-performance Computing(HPC)

Digital Signage

Others

### Major players covered

II-VI (Finisar)

Siemon

Broadcom

Mellanox Technologies

Amphenol ICC

Molex

Optomind

Fiberon Technologies

Leoni

Hitachi Cable

Fujikura

Sumitomo Electric

Shenzhen Gigalight

Sopto

EverPro Technologies

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Active Optical Cable product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Active Optical Cable, with price, sales, revenue and global market share of Active Optical Cable from 2019 to 2024.

Chapter 3, the Active Optical Cable competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Active Optical Cable breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Active Optical Cable market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Active Optical Cable.

Chapter 14 and 15, to describe Active Optical Cable sales channel, distributors, customers, research findings and conclusion.

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