

# Active Optical Cable Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/A37DDBF38CEBEN.html>

Date: June 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: A37DDBF38CEBEN

## Abstracts

The global active optical cable market size reached US\$ 2,741.3 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 10,013.5 Million by 2028, exhibiting a growth rate (CAGR) of 23.37% during 2023-2028.

Active optical cables are transceiver products that incorporate active electrical and optical components to receive and boost signals through fiber optical cables. These cables consist of multi-mode optical fiber, a transceiver, a control chip, and modules. They convert electrical signals into optical for the transmission of data and video communications over long and short distances between sources and displays. Active optical cables are widely used in personal computing, data centers, digital signage, consumer electronics, and high-performance computing. These cables are lightweight, help in reducing bulkiness, and offer higher bandwidth and enhanced performance with low power consumption. In comparison to attach copper cables, active optical cables eliminate the need for an external optical transceiver and offer resistance to electromagnetic interference

### Active Optical Cable Market Trends:

The increasing demand for consumer electronics across the globe is the one of the prime factors driving the market growth. In line with this, the increasing demand for lightweight and thinner designed active optical cables due to the miniaturization of consumer electronics that offer high-quality video resolution displays is favoring the market growth. Moreover, various technological advancements, such as the introduction of network-function virtualization (NFV) and software-defined networking (SDN) that assist in reducing network power consumption and provide enhanced life cycles for network hardware, are providing a considerable boost to the market growth.

Additionally, the widespread adoption of active optical cables due to their enhanced virtualized connectivity minimized errors and cost-effectiveness is positively impacting the market growth. Other factors, such as the significant growth in the telecom industry and implementation of various government initiatives to improve the network infrastructure, are creating a positive outlook for the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global active optical cable market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on connector type, technology and application.

#### Breakup by Connector Type:

- QSFP
- CXP
- CDFP
- CFP
- SFP
- Others

#### Breakup by Technology:

- InfiniBand
- Ethernet
- HDMI
- DisplayPort
- USB
- Others

#### Breakup by Application:

- Data Center
- High-Performance Computing
- Personal Computing
- Digital Signage
- Consumer Electronics
- Others

## Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

## Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3M Company, Amphenol Corporation, Broadcom Inc., EMCORE Corporation, Fujitsu Limited, II-VI Incorporated, International Business Machines Corporation, Lumentum Operations LLC, Molex LLC (Koch Industries Inc.), Sumitomo Electric Industries Ltd., TE Connectivity and The Siemon Company.

## Report Coverage:

### Key Questions Answered in This Report

1. What was the size of the global active optical cable market in 2022?

2. What is the expected growth rate of the global active optical cable market during 2023-2028?
3. What are the key factors driving the global active optical cable market?
4. What has been the impact of COVID-19 on the global active optical cable market?
5. What is the breakup of the global active optical cable market based on the connector type?
6. What is the breakup of the global active optical cable market based on the technology?
7. What is the breakup of the global active optical cable market based on the application?
8. What are the key regions in the global active optical cable market?
9. Who are the key players/companies in the global active optical cable market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL ACTIVE OPTICAL CABLE MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY CONNECTOR TYPE**

- 6.1 QSFP
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 CXP
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 CDFP

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 CFP
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast
- 6.5 SFP
  - 6.5.1 Market Trends
  - 6.5.2 Market Forecast
- 6.6 Others
  - 6.6.1 Market Trends
  - 6.6.2 Market Forecast

## **7 MARKET BREAKUP BY TECHNOLOGY**

- 7.1 InfiniBand
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Ethernet
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 HDMI
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 DisplayPort
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast
- 7.5 USB
  - 7.5.1 Market Trends
  - 7.5.2 Market Forecast
- 7.6 Others
  - 7.6.1 Market Trends
  - 7.6.2 Market Forecast

## **8 MARKET BREAKUP BY APPLICATION**

- 8.1 Data Center
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 High-Performance Computing

- 8.2.1 Market Trends
- 8.2.2 Market Forecast
- 8.3 Personal Computing
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Digital Signage
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast
- 8.5 Consumer Electronics
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast
- 8.6 Others
  - 8.6.1 Market Trends
  - 8.6.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada
    - 9.1.2.1 Market Trends
    - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends

- 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
  - 9.2.6.1 Market Trends
  - 9.2.6.2 Market Forecast
- 9.2.7 Others
  - 9.2.7.1 Market Trends
  - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends
    - 9.3.5.2 Market Forecast
  - 9.3.6 Russia
    - 9.3.6.1 Market Trends
    - 9.3.6.2 Market Forecast
  - 9.3.7 Others
    - 9.3.7.1 Market Trends
    - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast



## 9.5 Middle East and Africa

### 9.5.1 Market Trends

### 9.5.2 Market Breakup by Country

### 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

### 10.1 Overview

### 10.2 Strengths

### 10.3 Weaknesses

### 10.4 Opportunities

### 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

### 12.1 Overview

### 12.2 Bargaining Power of Buyers

### 12.3 Bargaining Power of Suppliers

### 12.4 Degree of Competition

### 12.5 Threat of New Entrants

### 12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

### 14.1 Market Structure

### 14.2 Key Players

### 14.3 Profiles of Key Players

#### 14.3.1 3M Company

##### 14.3.1.1 Company Overview

##### 14.3.1.2 Product Portfolio

##### 14.3.1.3 Financials

##### 14.3.1.4 SWOT Analysis

#### 14.3.2 Amphenol Corporation

##### 14.3.2.1 Company Overview

##### 14.3.2.2 Product Portfolio

- 14.3.2.3 Financials
- 14.3.2.4 SWOT Analysis
- 14.3.3 Broadcom Inc.
  - 14.3.3.1 Company Overview
  - 14.3.3.2 Product Portfolio
  - 14.3.3.3 Financials
  - 14.3.3.4 SWOT Analysis
- 14.3.4 EMCORE Corporation
  - 14.3.4.1 Company Overview
  - 14.3.4.2 Product Portfolio
  - 14.3.4.3 Financials
  - 14.3.4.4 SWOT Analysis
- 14.3.5 Fujitsu Limited
  - 14.3.5.1 Company Overview
  - 14.3.5.2 Product Portfolio
  - 14.3.5.3 Financials
  - 14.3.5.4 SWOT Analysis
- 14.3.6 II-VI Incorporated
  - 14.3.6.1 Company Overview
  - 14.3.6.2 Product Portfolio
  - 14.3.6.3 Financials
- 14.3.7 International Business Machines Corporation
  - 14.3.7.1 Company Overview
  - 14.3.7.2 Product Portfolio
  - 14.3.7.3 Financials
  - 14.3.7.4 SWOT Analysis
- 14.3.8 Lumentum Operations LLC
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
  - 14.3.8.3 Financials
- 14.3.9 Molex LLC (Koch Industries Inc.)
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 SWOT Analysis
- 14.3.10 Sumitomo Electric Industries Ltd.
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
  - 14.3.10.4 SWOT Analysis

#### 14.3.11 TE Connectivity

14.3.11.1 Company Overview

14.3.11.2 Product Portfolio

14.3.11.3 Financials

14.3.11.4 SWOT Analysis

#### 14.3.12 The Siemon Company

14.3.12.1 Company Overview

14.3.12.2 Product Portfolio

## List Of Tables

### LIST OF TABLES

Table 1: Global: Active Optical Cable Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Active Optical Cable Market Forecast: Breakup by Connector Type (in Million US\$), 2023-2028

Table 3: Global: Active Optical Cable Market Forecast: Breakup by Technology (in Million US\$), 2023-2028

Table 4: Global: Active Optical Cable Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 5: Global: Active Optical Cable Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Active Optical Cable Market: Competitive Structure

Table 7: Global: Active Optical Cable Market: Key Players

## List Of Figures

### LIST OF FIGURES

- Figure 1: Global: Active Optical Cable Market: Major Drivers and Challenges
- Figure 2: Global: Active Optical Cable Market: Sales Value (in Million US\$), 2017-2022
- Figure 3: Global: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 4: Global: Active Optical Cable Market: Breakup by Connector Type (in %), 2022
- Figure 5: Global: Active Optical Cable Market: Breakup by Technology (in %), 2022
- Figure 6: Global: Active Optical Cable Market: Breakup by Application (in %), 2022
- Figure 7: Global: Active Optical Cable Market: Breakup by Region (in %), 2022
- Figure 8: Global: Active Optical Cable (QSFP) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 9: Global: Active Optical Cable (QSFP) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 10: Global: Active Optical Cable (CXP) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Active Optical Cable (CXP) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Active Optical Cable (CDFP) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Active Optical Cable (CDFP) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Active Optical Cable (CFP) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Active Optical Cable (CFP) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Active Optical Cable (SFP) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Active Optical Cable (SFP) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Active Optical Cable (Other Connector Types) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Active Optical Cable (Other Connector Types) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Active Optical Cable (InfiniBand) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 21: Global: Active Optical Cable (InfiniBand) Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 22: Global: Active Optical Cable (Ethernet) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Active Optical Cable (Ethernet) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Active Optical Cable (HDMI) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Active Optical Cable (HDMI) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Active Optical Cable (DisplayPort) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Active Optical Cable (DisplayPort) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Active Optical Cable (USB) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Active Optical Cable (USB) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Active Optical Cable (Other Technologies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Active Optical Cable (Other Technologies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Active Optical Cable (Data Center) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Active Optical Cable (Data Center) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Active Optical Cable (High-Performance Computing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: Active Optical Cable (High-Performance Computing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Active Optical Cable (Personal Computing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: Active Optical Cable (Personal Computing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Global: Active Optical Cable (Digital Signage) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Global: Active Optical Cable (Digital Signage) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Global: Active Optical Cable (Consumer Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Global: Active Optical Cable (Consumer Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Global: Active Optical Cable (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Global: Active Optical Cable (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: North America: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: North America: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: United States: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: United States: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Canada: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Canada: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Asia-Pacific: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Asia-Pacific: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: China: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: China: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Japan: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Japan: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: India: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: India: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: South Korea: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: South Korea: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Australia: Active Optical Cable Market: Sales Value (in Million US\$), 2017 &

2022

Figure 61: Australia: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Indonesia: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Indonesia: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Others: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Others: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Europe: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Europe: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Germany: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Germany: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: France: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: France: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: United Kingdom: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: United Kingdom: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Italy: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Italy: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Spain: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Spain: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Russia: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Russia: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Others: Active Optical Cable Market: Sales Value (in Million US\$), 2017 &



2022

Figure 81: Others: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Latin America: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Latin America: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Brazil: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Brazil: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 86: Mexico: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 87: Mexico: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 88: Others: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 89: Others: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 90: Middle East and Africa: Active Optical Cable Market: Sales Value (in Million US\$), 2017 & 2022

Figure 91: Middle East and Africa: Active Optical Cable Market: Breakup by Country (in %), 2022

Figure 92: Middle East and Africa: Active Optical Cable Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 93: Global: Active Optical Cable Industry: SWOT Analysis

Figure 94: Global: Active Optical Cable Industry: Value Chain Analysis

Figure 95: Global: Active Optical Cable Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Active Optical Cable Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/A37DDBF38CEBEN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A37DDBF38CEBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

