

# Global Telecom Optical Transceiver Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G2CEBF67BC87EN.html>

Date: August 2023

Pages: 124

Price: US\$ 4,480.00 (Single User License)

ID: G2CEBF67BC87EN

## Abstracts

The global Telecom Optical Transceiver market size is expected to reach \$ 4726.7 million by 2029, rising at a market growth of 1.0% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of Telecom Optical Transceiver are Coherent Corp., Zhongji Innolight Co, Ltd., Cisco Systems Inc., Huawei Technologies Co., Ltd. and Lumentum Holdings Inc., which make up over 56%. Among them, Coherent Corp. is the leader with about 16% market share. China is the largest market, with a share about 64%, followed by North America and Japan, with the share about 17% and 6%. In terms of product type, Medium and Low Speed Optical Transceiver occupy the largest share of the total market, about 91%. And in terms of product Application, the largest application is Others Telecom, followed by 5G Telecom.

An optical transceiver is also called fiber optic transmitter and receiver. The role of the optical module is photoelectric conversion. The transmitter end takes in and converts the electrical signal into light, after the optical fiber transmission in the fiber cable plant; the receiver end again converts the light signal into electrical signal. Both the receiver and the transmitter ends have their own circuitry and can handle transmissions in both directions.

Fiber-optic communication is a method of transmitting information from one place to another by sending pulses of light through an optical fiber. The light forms an electromagnetic carrier wave that is modulated to carry information. First developed in the 1970s, fiber-optics has revolutionized the telecommunications industry and have played a major role in the advent of the Information Age. Because of its advantages over electrical transmission, optical fibers have largely replaced copper wire

communications in core networks in the developed world. Optical fiber is used by many telecommunications companies to transmit telephone signals, Internet communication, and cable television signals. Researchers at Bell Labs have reached internet speeds of over 100 Petabit \*kilometer per second using fiber-optic communication.

This report studies the global Telecom Optical Transceiver production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Telecom Optical Transceiver, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Telecom Optical Transceiver that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Telecom Optical Transceiver total production and demand, 2018-2029, (K Units)

Global Telecom Optical Transceiver total production value, 2018-2029, (USD Million)

Global Telecom Optical Transceiver production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Telecom Optical Transceiver consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Telecom Optical Transceiver domestic production, consumption, key domestic manufacturers and share

Global Telecom Optical Transceiver production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Telecom Optical Transceiver production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Telecom Optical Transceiver production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Telecom Optical Transceiver market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Coherent Corp., Zhongji Innolight Co, Ltd., Cisco Systems, Inc., Huawei Technologies Co., Ltd., Lumentum Holdings Inc., Accelink Technologies Co., Ltd., Hisense, Eoptolink Technology Inc., Ltd. and HG Genuine Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Telecom Optical Transceiver market.

#### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Telecom Optical Transceiver Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Telecom Optical Transceiver Market, Segmentation by Type

High Speed Optical Transceiver

Medium and Low Speed Optical Transceiver

## Global Telecom Optical Transceiver Market, Segmentation by Application

5G Telecom

Others Telecom

## Companies Profiled:

Coherent Corp.

Zhongji Innolight Co, Ltd.

Cisco Systems, Inc.

Huawei Technologies Co., Ltd.

Lumentum Holdings Inc.

Accelink Technologies Co., Ltd.

Hisense

Eoptolink Technology Inc., Ltd.

HG Genuine Co., Ltd.

Broadcom Inc.

Intel Corporation

Fujitsu Limited

Infinera Corporation

Source Photonics, Inc.

Molex Incorporated

Sumitomo Electric Industries, Ltd.

OE Solution Co., Ltd.

Alcatel-Lucent

#### Key Questions Answered

1. How big is the global Telecom Optical Transceiver market?
2. What is the demand of the global Telecom Optical Transceiver market?
3. What is the year over year growth of the global Telecom Optical Transceiver market?
4. What is the production and production value of the global Telecom Optical Transceiver market?
5. Who are the key producers in the global Telecom Optical Transceiver market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Telecom Optical Transceiver Introduction
- 1.2 World Telecom Optical Transceiver Supply & Forecast
  - 1.2.1 World Telecom Optical Transceiver Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Telecom Optical Transceiver Production (2018-2029)
  - 1.2.3 World Telecom Optical Transceiver Pricing Trends (2018-2029)
- 1.3 World Telecom Optical Transceiver Production by Region (Based on Production Site)
  - 1.3.1 World Telecom Optical Transceiver Production Value by Region (2018-2029)
  - 1.3.2 World Telecom Optical Transceiver Production by Region (2018-2029)
  - 1.3.3 World Telecom Optical Transceiver Average Price by Region (2018-2029)
  - 1.3.4 North America Telecom Optical Transceiver Production (2018-2029)
  - 1.3.5 Europe Telecom Optical Transceiver Production (2018-2029)
  - 1.3.6 China Telecom Optical Transceiver Production (2018-2029)
  - 1.3.7 Japan Telecom Optical Transceiver Production (2018-2029)
  - 1.3.8 South Korea Telecom Optical Transceiver Production (2018-2029)
  - 1.3.9 Southeast Asia Telecom Optical Transceiver Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Telecom Optical Transceiver Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Telecom Optical Transceiver Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World Telecom Optical Transceiver Demand (2018-2029)
- 2.2 World Telecom Optical Transceiver Consumption by Region
  - 2.2.1 World Telecom Optical Transceiver Consumption by Region (2018-2023)
  - 2.2.2 World Telecom Optical Transceiver Consumption Forecast by Region (2024-2029)
- 2.3 United States Telecom Optical Transceiver Consumption (2018-2029)
- 2.4 China Telecom Optical Transceiver Consumption (2018-2029)
- 2.5 Europe Telecom Optical Transceiver Consumption (2018-2029)
- 2.6 Japan Telecom Optical Transceiver Consumption (2018-2029)

2.7 South Korea Telecom Optical Transceiver Consumption (2018-2029)

2.8 ASEAN Telecom Optical Transceiver Consumption (2018-2029)

2.9 India Telecom Optical Transceiver Consumption (2018-2029)

### **3 WORLD TELECOM OPTICAL TRANSCEIVER MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Telecom Optical Transceiver Production Value by Manufacturer (2018-2023)

3.2 World Telecom Optical Transceiver Production by Manufacturer (2018-2023)

3.3 World Telecom Optical Transceiver Average Price by Manufacturer (2018-2023)

3.4 Telecom Optical Transceiver Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Telecom Optical Transceiver Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Telecom Optical Transceiver in 2022

3.5.3 Global Concentration Ratios (CR8) for Telecom Optical Transceiver in 2022

3.6 Telecom Optical Transceiver Market: Overall Company Footprint Analysis

3.6.1 Telecom Optical Transceiver Market: Region Footprint

3.6.2 Telecom Optical Transceiver Market: Company Product Type Footprint

3.6.3 Telecom Optical Transceiver Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

4.1 United States VS China: Telecom Optical Transceiver Production Value Comparison

4.1.1 United States VS China: Telecom Optical Transceiver Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Telecom Optical Transceiver Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Telecom Optical Transceiver Production Comparison

4.2.1 United States VS China: Telecom Optical Transceiver Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Telecom Optical Transceiver Production Market Share Comparison (2018 & 2022 & 2029)



#### 4.3 United States VS China: Telecom Optical Transceiver Consumption Comparison

4.3.1 United States VS China: Telecom Optical Transceiver Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Telecom Optical Transceiver Consumption Market Share Comparison (2018 & 2022 & 2029)

#### 4.4 United States Based Telecom Optical Transceiver Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Telecom Optical Transceiver Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Telecom Optical Transceiver Production Value (2018-2023)

4.4.3 United States Based Manufacturers Telecom Optical Transceiver Production (2018-2023)

#### 4.5 China Based Telecom Optical Transceiver Manufacturers and Market Share

4.5.1 China Based Telecom Optical Transceiver Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Telecom Optical Transceiver Production Value (2018-2023)

4.5.3 China Based Manufacturers Telecom Optical Transceiver Production (2018-2023)

#### 4.6 Rest of World Based Telecom Optical Transceiver Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Telecom Optical Transceiver Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Telecom Optical Transceiver Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Telecom Optical Transceiver Production (2018-2023)

### **5 MARKET ANALYSIS BY TYPE**

#### 5.1 World Telecom Optical Transceiver Market Size Overview by Type: 2018 VS 2022 VS 2029

#### 5.2 Segment Introduction by Type

5.2.1 High Speed Optical Transceiver

5.2.2 Medium and Low Speed Optical Transceiver

#### 5.3 Market Segment by Type

5.3.1 World Telecom Optical Transceiver Production by Type (2018-2029)

5.3.2 World Telecom Optical Transceiver Production Value by Type (2018-2029)



### 5.3.3 World Telecom Optical Transceiver Average Price by Type (2018-2029)

## 6 MARKET ANALYSIS BY APPLICATION

### 6.1 World Telecom Optical Transceiver Market Size Overview by Application: 2018 VS 2022 VS 2029

### 6.2 Segment Introduction by Application

#### 6.2.1 5G Telecom

#### 6.2.2 Others Telecom

### 6.3 Market Segment by Application

#### 6.3.1 World Telecom Optical Transceiver Production by Application (2018-2029)

#### 6.3.2 World Telecom Optical Transceiver Production Value by Application (2018-2029)

#### 6.3.3 World Telecom Optical Transceiver Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

### 7.1 Coherent Corp.

#### 7.1.1 Coherent Corp. Details

#### 7.1.2 Coherent Corp. Major Business

#### 7.1.3 Coherent Corp. Telecom Optical Transceiver Product and Services

#### 7.1.4 Coherent Corp. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.1.5 Coherent Corp. Recent Developments/Updates

#### 7.1.6 Coherent Corp. Competitive Strengths & Weaknesses

### 7.2 Zhongji Innolight Co, Ltd.

#### 7.2.1 Zhongji Innolight Co, Ltd. Details

#### 7.2.2 Zhongji Innolight Co, Ltd. Major Business

#### 7.2.3 Zhongji Innolight Co, Ltd. Telecom Optical Transceiver Product and Services

#### 7.2.4 Zhongji Innolight Co, Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.2.5 Zhongji Innolight Co, Ltd. Recent Developments/Updates

#### 7.2.6 Zhongji Innolight Co, Ltd. Competitive Strengths & Weaknesses

### 7.3 Cisco Systems, Inc.

#### 7.3.1 Cisco Systems, Inc. Details

#### 7.3.2 Cisco Systems, Inc. Major Business

#### 7.3.3 Cisco Systems, Inc. Telecom Optical Transceiver Product and Services

#### 7.3.4 Cisco Systems, Inc. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

#### 7.3.5 Cisco Systems, Inc. Recent Developments/Updates

- 7.3.6 Cisco Systems, Inc. Competitive Strengths & Weaknesses
- 7.4 Huawei Technologies Co., Ltd.
  - 7.4.1 Huawei Technologies Co., Ltd. Details
  - 7.4.2 Huawei Technologies Co., Ltd. Major Business
  - 7.4.3 Huawei Technologies Co., Ltd. Telecom Optical Transceiver Product and Services
  - 7.4.4 Huawei Technologies Co., Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.4.5 Huawei Technologies Co., Ltd. Recent Developments/Updates
  - 7.4.6 Huawei Technologies Co., Ltd. Competitive Strengths & Weaknesses
- 7.5 Lumentum Holdings Inc.
  - 7.5.1 Lumentum Holdings Inc. Details
  - 7.5.2 Lumentum Holdings Inc. Major Business
  - 7.5.3 Lumentum Holdings Inc. Telecom Optical Transceiver Product and Services
  - 7.5.4 Lumentum Holdings Inc. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.5.5 Lumentum Holdings Inc. Recent Developments/Updates
  - 7.5.6 Lumentum Holdings Inc. Competitive Strengths & Weaknesses
- 7.6 Accelink Technologies Co., Ltd.
  - 7.6.1 Accelink Technologies Co., Ltd. Details
  - 7.6.2 Accelink Technologies Co., Ltd. Major Business
  - 7.6.3 Accelink Technologies Co., Ltd. Telecom Optical Transceiver Product and Services
  - 7.6.4 Accelink Technologies Co., Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Accelink Technologies Co., Ltd. Recent Developments/Updates
  - 7.6.6 Accelink Technologies Co., Ltd. Competitive Strengths & Weaknesses
- 7.7 Hisense
  - 7.7.1 Hisense Details
  - 7.7.2 Hisense Major Business
  - 7.7.3 Hisense Telecom Optical Transceiver Product and Services
  - 7.7.4 Hisense Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Hisense Recent Developments/Updates
  - 7.7.6 Hisense Competitive Strengths & Weaknesses
- 7.8 Eoptolink Technology Inc., Ltd.
  - 7.8.1 Eoptolink Technology Inc., Ltd. Details
  - 7.8.2 Eoptolink Technology Inc., Ltd. Major Business
  - 7.8.3 Eoptolink Technology Inc., Ltd. Telecom Optical Transceiver Product and

## Services

7.8.4 Eoptolink Technology Inc., Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 Eoptolink Technology Inc., Ltd. Recent Developments/Updates

7.8.6 Eoptolink Technology Inc., Ltd. Competitive Strengths & Weaknesses

## 7.9 HG Genuine Co., Ltd.

7.9.1 HG Genuine Co., Ltd. Details

7.9.2 HG Genuine Co., Ltd. Major Business

7.9.3 HG Genuine Co., Ltd. Telecom Optical Transceiver Product and Services

7.9.4 HG Genuine Co., Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 HG Genuine Co., Ltd. Recent Developments/Updates

7.9.6 HG Genuine Co., Ltd. Competitive Strengths & Weaknesses

## 7.10 Broadcom Inc.

7.10.1 Broadcom Inc. Details

7.10.2 Broadcom Inc. Major Business

7.10.3 Broadcom Inc. Telecom Optical Transceiver Product and Services

7.10.4 Broadcom Inc. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 Broadcom Inc. Recent Developments/Updates

7.10.6 Broadcom Inc. Competitive Strengths & Weaknesses

## 7.11 Intel Corporation

7.11.1 Intel Corporation Details

7.11.2 Intel Corporation Major Business

7.11.3 Intel Corporation Telecom Optical Transceiver Product and Services

7.11.4 Intel Corporation Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Intel Corporation Recent Developments/Updates

7.11.6 Intel Corporation Competitive Strengths & Weaknesses

## 7.12 Fujitsu Limited

7.12.1 Fujitsu Limited Details

7.12.2 Fujitsu Limited Major Business

7.12.3 Fujitsu Limited Telecom Optical Transceiver Product and Services

7.12.4 Fujitsu Limited Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Fujitsu Limited Recent Developments/Updates

7.12.6 Fujitsu Limited Competitive Strengths & Weaknesses

## 7.13 Infinera Corporation

7.13.1 Infinera Corporation Details

- 7.13.2 Infinera Corporation Major Business
- 7.13.3 Infinera Corporation Telecom Optical Transceiver Product and Services
- 7.13.4 Infinera Corporation Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.13.5 Infinera Corporation Recent Developments/Updates
- 7.13.6 Infinera Corporation Competitive Strengths & Weaknesses
- 7.14 Source Photonics, Inc.
  - 7.14.1 Source Photonics, Inc. Details
  - 7.14.2 Source Photonics, Inc. Major Business
  - 7.14.3 Source Photonics, Inc. Telecom Optical Transceiver Product and Services
  - 7.14.4 Source Photonics, Inc. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.14.5 Source Photonics, Inc. Recent Developments/Updates
  - 7.14.6 Source Photonics, Inc. Competitive Strengths & Weaknesses
- 7.15 Molex Incorporated
  - 7.15.1 Molex Incorporated Details
  - 7.15.2 Molex Incorporated Major Business
  - 7.15.3 Molex Incorporated Telecom Optical Transceiver Product and Services
  - 7.15.4 Molex Incorporated Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.15.5 Molex Incorporated Recent Developments/Updates
  - 7.15.6 Molex Incorporated Competitive Strengths & Weaknesses
- 7.16 Sumitomo Electric Industries, Ltd.
  - 7.16.1 Sumitomo Electric Industries, Ltd. Details
  - 7.16.2 Sumitomo Electric Industries, Ltd. Major Business
  - 7.16.3 Sumitomo Electric Industries, Ltd. Telecom Optical Transceiver Product and Services
  - 7.16.4 Sumitomo Electric Industries, Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.16.5 Sumitomo Electric Industries, Ltd. Recent Developments/Updates
  - 7.16.6 Sumitomo Electric Industries, Ltd. Competitive Strengths & Weaknesses
- 7.17 OE Solution Co., Ltd.
  - 7.17.1 OE Solution Co., Ltd. Details
  - 7.17.2 OE Solution Co., Ltd. Major Business
  - 7.17.3 OE Solution Co., Ltd. Telecom Optical Transceiver Product and Services
  - 7.17.4 OE Solution Co., Ltd. Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.17.5 OE Solution Co., Ltd. Recent Developments/Updates
  - 7.17.6 OE Solution Co., Ltd. Competitive Strengths & Weaknesses

## 7.18 Alcatel-Lucent

### 7.18.1 Alcatel-Lucent Details

### 7.18.2 Alcatel-Lucent Major Business

### 7.18.3 Alcatel-Lucent Telecom Optical Transceiver Product and Services

### 7.18.4 Alcatel-Lucent Telecom Optical Transceiver Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.18.5 Alcatel-Lucent Recent Developments/Updates

### 7.18.6 Alcatel-Lucent Competitive Strengths & Weaknesses

## 8 INDUSTRY CHAIN ANALYSIS

### 8.1 Telecom Optical Transceiver Industry Chain

### 8.2 Telecom Optical Transceiver Upstream Analysis

#### 8.2.1 Telecom Optical Transceiver Core Raw Materials

#### 8.2.2 Main Manufacturers of Telecom Optical Transceiver Core Raw Materials

### 8.3 Midstream Analysis

### 8.4 Downstream Analysis

### 8.5 Telecom Optical Transceiver Production Mode

### 8.6 Telecom Optical Transceiver Procurement Model

### 8.7 Telecom Optical Transceiver Industry Sales Model and Sales Channels

#### 8.7.1 Telecom Optical Transceiver Sales Model

#### 8.7.2 Telecom Optical Transceiver Typical Customers

## 9 RESEARCH FINDINGS AND CONCLUSION

## 10 APPENDIX

### 10.1 Methodology

### 10.2 Research Process and Data Source

### 10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Telecom Optical Transceiver Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Telecom Optical Transceiver Production Value by Region (2018-2023) & (USD Million)

Table 3. World Telecom Optical Transceiver Production Value by Region (2024-2029) & (USD Million)

Table 4. World Telecom Optical Transceiver Production Value Market Share by Region (2018-2023)

Table 5. World Telecom Optical Transceiver Production Value Market Share by Region (2024-2029)

Table 6. World Telecom Optical Transceiver Production by Region (2018-2023) & (K Units)

Table 7. World Telecom Optical Transceiver Production by Region (2024-2029) & (K Units)

Table 8. World Telecom Optical Transceiver Production Market Share by Region (2018-2023)

Table 9. World Telecom Optical Transceiver Production Market Share by Region (2024-2029)

Table 10. World Telecom Optical Transceiver Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Telecom Optical Transceiver Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Telecom Optical Transceiver Major Market Trends

Table 13. World Telecom Optical Transceiver Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Telecom Optical Transceiver Consumption by Region (2018-2023) & (K Units)

Table 15. World Telecom Optical Transceiver Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Telecom Optical Transceiver Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Telecom Optical Transceiver Producers in 2022

Table 18. World Telecom Optical Transceiver Production by Manufacturer (2018-2023) & (K Units)



Table 19. Production Market Share of Key Telecom Optical Transceiver Producers in 2022

Table 20. World Telecom Optical Transceiver Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Telecom Optical Transceiver Company Evaluation Quadrant

Table 22. World Telecom Optical Transceiver Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Telecom Optical Transceiver Production Site of Key Manufacturer

Table 24. Telecom Optical Transceiver Market: Company Product Type Footprint

Table 25. Telecom Optical Transceiver Market: Company Product Application Footprint

Table 26. Telecom Optical Transceiver Competitive Factors

Table 27. Telecom Optical Transceiver New Entrant and Capacity Expansion Plans

Table 28. Telecom Optical Transceiver Mergers & Acquisitions Activity

Table 29. United States VS China Telecom Optical Transceiver Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Telecom Optical Transceiver Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Telecom Optical Transceiver Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Telecom Optical Transceiver Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Telecom Optical Transceiver Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Telecom Optical Transceiver Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Telecom Optical Transceiver Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Telecom Optical Transceiver Production Market Share (2018-2023)

Table 37. China Based Telecom Optical Transceiver Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Telecom Optical Transceiver Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Telecom Optical Transceiver Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Telecom Optical Transceiver Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Telecom Optical Transceiver Production Market



Share (2018-2023)

Table 42. Rest of World Based Telecom Optical Transceiver Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Telecom Optical Transceiver Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Telecom Optical Transceiver Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Telecom Optical Transceiver Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Telecom Optical Transceiver Production Market Share (2018-2023)

Table 47. World Telecom Optical Transceiver Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Telecom Optical Transceiver Production by Type (2018-2023) & (K Units)

Table 49. World Telecom Optical Transceiver Production by Type (2024-2029) & (K Units)

Table 50. World Telecom Optical Transceiver Production Value by Type (2018-2023) & (USD Million)

Table 51. World Telecom Optical Transceiver Production Value by Type (2024-2029) & (USD Million)

Table 52. World Telecom Optical Transceiver Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Telecom Optical Transceiver Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Telecom Optical Transceiver Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Telecom Optical Transceiver Production by Application (2018-2023) & (K Units)

Table 56. World Telecom Optical Transceiver Production by Application (2024-2029) & (K Units)

Table 57. World Telecom Optical Transceiver Production Value by Application (2018-2023) & (USD Million)

Table 58. World Telecom Optical Transceiver Production Value by Application (2024-2029) & (USD Million)

Table 59. World Telecom Optical Transceiver Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Telecom Optical Transceiver Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Coherent Corp. Basic Information, Manufacturing Base and Competitors

Table 62. Coherent Corp. Major Business

Table 63. Coherent Corp. Telecom Optical Transceiver Product and Services

Table 64. Coherent Corp. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Coherent Corp. Recent Developments/Updates

Table 66. Coherent Corp. Competitive Strengths & Weaknesses

Table 67. Zhongji Innolight Co, Ltd. Basic Information, Manufacturing Base and Competitors

Table 68. Zhongji Innolight Co, Ltd. Major Business

Table 69. Zhongji Innolight Co, Ltd. Telecom Optical Transceiver Product and Services

Table 70. Zhongji Innolight Co, Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Zhongji Innolight Co, Ltd. Recent Developments/Updates

Table 72. Zhongji Innolight Co, Ltd. Competitive Strengths & Weaknesses

Table 73. Cisco Systems, Inc. Basic Information, Manufacturing Base and Competitors

Table 74. Cisco Systems, Inc. Major Business

Table 75. Cisco Systems, Inc. Telecom Optical Transceiver Product and Services

Table 76. Cisco Systems, Inc. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Cisco Systems, Inc. Recent Developments/Updates

Table 78. Cisco Systems, Inc. Competitive Strengths & Weaknesses

Table 79. Huawei Technologies Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 80. Huawei Technologies Co., Ltd. Major Business

Table 81. Huawei Technologies Co., Ltd. Telecom Optical Transceiver Product and Services

Table 82. Huawei Technologies Co., Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Huawei Technologies Co., Ltd. Recent Developments/Updates

Table 84. Huawei Technologies Co., Ltd. Competitive Strengths & Weaknesses

Table 85. Lumentum Holdings Inc. Basic Information, Manufacturing Base and Competitors

Table 86. Lumentum Holdings Inc. Major Business

Table 87. Lumentum Holdings Inc. Telecom Optical Transceiver Product and Services

Table 88. Lumentum Holdings Inc. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Lumentum Holdings Inc. Recent Developments/Updates

Table 90. Lumentum Holdings Inc. Competitive Strengths & Weaknesses

Table 91. Accelink Technologies Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 92. Accelink Technologies Co., Ltd. Major Business

Table 93. Accelink Technologies Co., Ltd. Telecom Optical Transceiver Product and Services

Table 94. Accelink Technologies Co., Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Accelink Technologies Co., Ltd. Recent Developments/Updates

Table 96. Accelink Technologies Co., Ltd. Competitive Strengths & Weaknesses

Table 97. Hisense Basic Information, Manufacturing Base and Competitors

Table 98. Hisense Major Business

Table 99. Hisense Telecom Optical Transceiver Product and Services

Table 100. Hisense Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Hisense Recent Developments/Updates

Table 102. Hisense Competitive Strengths & Weaknesses

Table 103. Eoptolink Technology Inc., Ltd. Basic Information, Manufacturing Base and Competitors

Table 104. Eoptolink Technology Inc., Ltd. Major Business

Table 105. Eoptolink Technology Inc., Ltd. Telecom Optical Transceiver Product and Services

Table 106. Eoptolink Technology Inc., Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Eoptolink Technology Inc., Ltd. Recent Developments/Updates

Table 108. Eoptolink Technology Inc., Ltd. Competitive Strengths & Weaknesses

Table 109. HG Genuine Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 110. HG Genuine Co., Ltd. Major Business

Table 111. HG Genuine Co., Ltd. Telecom Optical Transceiver Product and Services

Table 112. HG Genuine Co., Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. HG Genuine Co., Ltd. Recent Developments/Updates
Table 114. HG Genuine Co., Ltd. Competitive Strengths & Weaknesses
Table 115. Broadcom Inc. Basic Information, Manufacturing Base and Competitors
Table 116. Broadcom Inc. Major Business
Table 117. Broadcom Inc. Telecom Optical Transceiver Product and Services
Table 118. Broadcom Inc. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 119. Broadcom Inc. Recent Developments/Updates
Table 120. Broadcom Inc. Competitive Strengths & Weaknesses
Table 121. Intel Corporation Basic Information, Manufacturing Base and Competitors
Table 122. Intel Corporation Major Business
Table 123. Intel Corporation Telecom Optical Transceiver Product and Services
Table 124. Intel Corporation Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 125. Intel Corporation Recent Developments/Updates
Table 126. Intel Corporation Competitive Strengths & Weaknesses
Table 127. Fujitsu Limited Basic Information, Manufacturing Base and Competitors
Table 128. Fujitsu Limited Major Business
Table 129. Fujitsu Limited Telecom Optical Transceiver Product and Services
Table 130. Fujitsu Limited Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 131. Fujitsu Limited Recent Developments/Updates
Table 132. Fujitsu Limited Competitive Strengths & Weaknesses
Table 133. Infinera Corporation Basic Information, Manufacturing Base and Competitors
Table 134. Infinera Corporation Major Business
Table 135. Infinera Corporation Telecom Optical Transceiver Product and Services
Table 136. Infinera Corporation Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 137. Infinera Corporation Recent Developments/Updates
Table 138. Infinera Corporation Competitive Strengths & Weaknesses
Table 139. Source Photonics, Inc. Basic Information, Manufacturing Base and Competitors
Table 140. Source Photonics, Inc. Major Business
Table 141. Source Photonics, Inc. Telecom Optical Transceiver Product and Services
Table 142. Source Photonics, Inc. Telecom Optical Transceiver Production (K Units),

Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. Source Photonics, Inc. Recent Developments/Updates

Table 144. Source Photonics, Inc. Competitive Strengths & Weaknesses

Table 145. Molex Incorporated Basic Information, Manufacturing Base and Competitors

Table 146. Molex Incorporated Major Business

Table 147. Molex Incorporated Telecom Optical Transceiver Product and Services

Table 148. Molex Incorporated Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 149. Molex Incorporated Recent Developments/Updates

Table 150. Molex Incorporated Competitive Strengths & Weaknesses

Table 151. Sumitomo Electric Industries, Ltd. Basic Information, Manufacturing Base and Competitors

Table 152. Sumitomo Electric Industries, Ltd. Major Business

Table 153. Sumitomo Electric Industries, Ltd. Telecom Optical Transceiver Product and Services

Table 154. Sumitomo Electric Industries, Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Sumitomo Electric Industries, Ltd. Recent Developments/Updates

Table 156. Sumitomo Electric Industries, Ltd. Competitive Strengths & Weaknesses

Table 157. OE Solution Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 158. OE Solution Co., Ltd. Major Business

Table 159. OE Solution Co., Ltd. Telecom Optical Transceiver Product and Services

Table 160. OE Solution Co., Ltd. Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. OE Solution Co., Ltd. Recent Developments/Updates

Table 162. Alcatel-Lucent Basic Information, Manufacturing Base and Competitors

Table 163. Alcatel-Lucent Major Business

Table 164. Alcatel-Lucent Telecom Optical Transceiver Product and Services

Table 165. Alcatel-Lucent Telecom Optical Transceiver Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 166. Global Key Players of Telecom Optical Transceiver Upstream (Raw Materials)

Table 167. Telecom Optical Transceiver Typical Customers

Table 168. Telecom Optical Transceiver Typical Distributors



## List Of Figures

### LIST OF FIGURES

Figure 1. Telecom Optical Transceiver Picture

Figure 2. World Telecom Optical Transceiver Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Telecom Optical Transceiver Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 5. World Telecom Optical Transceiver Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Telecom Optical Transceiver Production Value Market Share by Region (2018-2029)

Figure 7. World Telecom Optical Transceiver Production Market Share by Region (2018-2029)

Figure 8. North America Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 9. Europe Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 10. China Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 11. Japan Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 12. South Korea Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 13. Southeast Asia Telecom Optical Transceiver Production (2018-2029) & (K Units)

Figure 14. Telecom Optical Transceiver Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 17. World Telecom Optical Transceiver Consumption Market Share by Region (2018-2029)

Figure 18. United States Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 19. China Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 20. Europe Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 21. Japan Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 22. South Korea Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 23. ASEAN Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 24. India Telecom Optical Transceiver Consumption (2018-2029) & (K Units)

Figure 25. Producer Shipments of Telecom Optical Transceiver by Manufacturer



Revenue (\$MM) and Market Share (%): 2022

Figure 26. Global Four-firm Concentration Ratios (CR4) for Telecom Optical Transceiver Markets in 2022

Figure 27. Global Four-firm Concentration Ratios (CR8) for Telecom Optical Transceiver Markets in 2022

Figure 28. United States VS China: Telecom Optical Transceiver Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Telecom Optical Transceiver Production Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States VS China: Telecom Optical Transceiver Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 31. United States Based Manufacturers Telecom Optical Transceiver Production Market Share 2022

Figure 32. China Based Manufacturers Telecom Optical Transceiver Production Market Share 2022

Figure 33. Rest of World Based Manufacturers Telecom Optical Transceiver Production Market Share 2022

Figure 34. World Telecom Optical Transceiver Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 35. World Telecom Optical Transceiver Production Value Market Share by Type in 2022

Figure 36. High Speed Optical Transceiver

Figure 37. Medium and Low Speed Optical Transceiver

Figure 38. World Telecom Optical Transceiver Production Market Share by Type (2018-2029)

Figure 39. World Telecom Optical Transceiver Production Value Market Share by Type (2018-2029)

Figure 40. World Telecom Optical Transceiver Average Price by Type (2018-2029) & (US\$/Unit)

Figure 41. World Telecom Optical Transceiver Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Telecom Optical Transceiver Production Value Market Share by Application in 2022

Figure 43. 5G Telecom

Figure 44. Others Telecom

Figure 45. World Telecom Optical Transceiver Production Market Share by Application (2018-2029)

Figure 46. World Telecom Optical Transceiver Production Value Market Share by Application (2018-2029)

Figure 47. World Telecom Optical Transceiver Average Price by Application  
(2018-2029) & (US\$/Unit)

Figure 48. Telecom Optical Transceiver Industry Chain

Figure 49. Telecom Optical Transceiver Procurement Model

Figure 50. Telecom Optical Transceiver Sales Model

Figure 51. Telecom Optical Transceiver Sales Channels, Direct Sales, and Distribution

Figure 52. Methodology

Figure 53. Research Process and Data Source

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