

Global 800G Optical Transceiver Components Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global 800G Optical Transceiver Components market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

It is understood that with the rapid development of large AI models represented by ChatGPT and related applications, computing power has become an important infrastructure for the development of the AI industry. In addition to GPU performance, communication factors have also become one of the short boards restricting supercomputing. Therefore, the AI server has very strict requirements on the underlying data transmission rate and delay, and requires high-speed optical module matching.

Since the models that AI computing needs to call at the same time are at the level of hundreds of billions or even trillions, the bandwidth of storage, computing, and communication network units also needs to be increased synchronously. Among them, the network communication rate is rapidly increased from the 25G/100G requirements of traditional data centers to the end-to-end 200G/400G, and even 800G rate evolution. When it comes to 800G high-speed optical modules, LPO technology is the most potential solution in the 800G era.

The optical module undertakes the task of photoelectric signal conversion in the network connection, and is responsible for converting the electrical signal into an optical signal at the sending end, and then converting the optical signal into an electrical signal at the receiving end after transmission through the optical fiber.

Optical module is mainly composed of optoelectronic devices TOSA/ROSA, functional circuits and optoelectronic interface components. The optical transceiver component

TOSA/ROSA is the core part of the optical module.

With the imminent large-scale deployment of 400G optical modules, and the continuous acceleration of network bandwidth and performance requirements, data center interconnection 800G will also become a new requirement, and will be applied in ultra-large-scale data centers, cloud computing and artificial intelligence computing power centers in the future middle.

This report studies the global 800G Optical Transceiver Components production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 800G Optical Transceiver Components, 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 800G Optical Transceiver Components that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global 800G Optical Transceiver Components total production and demand, 2018-2029, (K Units)

Global 800G Optical Transceiver Components total production value, 2018-2029, (USD Million)

Global 800G Optical Transceiver Components production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global 800G Optical Transceiver Components consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: 800G Optical Transceiver Components domestic production, consumption, key domestic manufacturers and share

Global 800G Optical Transceiver Components production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global 800G Optical Transceiver Components production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global 800G Optical Transceiver Components production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global 800G Optical Transceiver Components 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 FS, Accelink, II-VI, Zhongji Innolight, Eoptolink, CISCO, Intel, Source Photonics and Hisense Broadband, 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 800G Optical Transceiver Components 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 800G Optical Transceiver Components Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global 800G Optical Transceiver Components Market, Segmentation by Type

Multimode Moudle

Singlemode Moudle

Global 800G Optical Transceiver Components Market, Segmentation by Application

Data Center

Mobile Communication

Internet

Internet of Things

Others

Companies Profiled:

FS

Accelink

II-VI

Zhongji Innolight

Eoptolink

CISCO

Intel

Source Photonics

Hisense Broadband

YOFC

Key Questions Answered

1. How big is the global 800G Optical Transceiver Components market?
2. What is the demand of the global 800G Optical Transceiver Components market?
3. What is the year over year growth of the global 800G Optical Transceiver Components market?
4. What is the production and production value of the global 800G Optical Transceiver Components market?
5. Who are the key producers in the global 800G Optical Transceiver Components market?
6. What are the growth factors driving the market demand?

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