

# Global Optical Sub Assembly (OSA) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

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

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

According to our Communications Research Centre, in 2022, the global communication equipment was valued at US\$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ?1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ?1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ?240.2 billion, an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

An Optical Sub Assembly (OSA) is a component used in the construction of optical communication systems. It typically consists of various optical and optoelectronic elements integrated into a single module. OSAs are commonly found in transceivers and other optical networking devices.

The main purpose of an OSA is to transmit and receive optical signals. It combines multiple optical components, such as lasers, photodetectors, lenses, filters, and connectors, into a compact package. The specific components included in an OSA depend on its intended application and functionality.

In a transceiver module, for example, an OSA may include a laser diode to generate optical signals, a photodetector to receive incoming signals, lenses to focus and collimate the light, and other components for signal conditioning, amplification, and modulation. The individual components within the OSA are carefully aligned and coupled to ensure efficient light transmission and reception.

OSAs play a critical role in enabling high-speed and reliable optical communication systems.

This report studies the global Optical Sub Assembly (OSA) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Optical Sub Assembly (OSA), 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 Optical Sub Assembly (OSA) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Optical Sub Assembly (OSA) total production and demand, 2018-2029, (K Units)

Global Optical Sub Assembly (OSA) total production value, 2018-2029, (USD Million)

Global Optical Sub Assembly (OSA) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Optical Sub Assembly (OSA) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Optical Sub Assembly (OSA) domestic production, consumption, key domestic manufacturers and share

Global Optical Sub Assembly (OSA) production by manufacturer, production, price,

value and market share 2018-2023, (USD Million) & (K Units)

Global Optical Sub Assembly (OSA) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Optical Sub Assembly (OSA) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Optical Sub Assembly (OSA) 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 Lumentum, Coherent, Fujitsu Optical Components, Sumitomo Electric Industries, Source Photonics, Hisense Broadband, HUBER+SUHNER Cube Optics, Accelink Technologies and Eoptolink Technology, 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 Optical Sub Assembly (OSA) 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 Optical Sub Assembly (OSA) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Optical Sub Assembly (OSA) Market, Segmentation by Type

Transmitting Optical Sub-Assembly (TOSA)

Receiving Optical Sub-Assembly (ROSA)

Bi-Directional Optical Sub-Assembly (BOSA)

Triplexer

### Global Optical Sub Assembly (OSA) Market, Segmentation by Application

Data Center

Mobile Communication

Internet

Internet of Things

Others

### Companies Profiled:

Lumentum

Coherent

Fujitsu Optical Components

Sumitomo Electric Industries

Source Photonics

Hisense Broadband

HUBER+SUHNER Cube Optics

Accelink Technologies

Eoptolink Technology

Sunstar Communication Technology

Irix

## Key Questions Answered

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

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