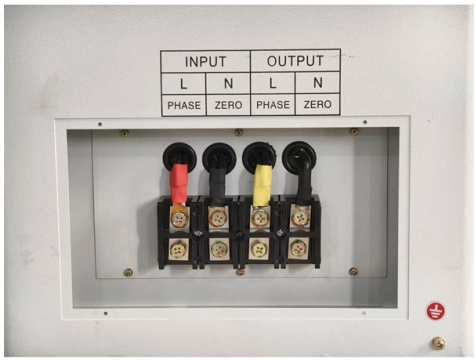
What are some large optical module factories



Overview

Here are the Top 10 leading companies in the global optical transceiver market, driving innovation, scalability, and global deployment. Coherent Corp.

Key Takeaways

Leading companies in optical module mass production include Innolight, Eoptolink, Accelink, TFC, Huagong Tech, and AT&S, covering high-speed optical modules from 100G to 800G and beyond.

Key Optical Module Manufacturers

Innolight is a global leader in high-end optical communication modules, providing 100G, 200G, 400G, and 800G modules for cloud data centers and telecom networks. They integrate R&D, design, packaging, testing, and sales, offering solutions for 5G fronthaul, midhaul, backhaul, and backbone networks. Eoptolink is a leading Chinese manufacturer of high-speed optical modules, specializing in datacom and telecom applications with a focus on large-scale production.

Accelink Technologies provides end-to-end solutions across chips, modules, and subsystems. They develop optical chips (PLC, III-V, SiPh) and high-end optical modules, supporting telecom transmission, data communication, and broadband access networks. Huagong Tech and Linktel are also notable suppliers in the optical transceiver industry, offering high-speed modules and integrated solutions for data centers and telecom operators.

TF

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C (Suzhou TFC Optical Communication Co., Ltd.) focuses on optical devices and high-speed optical engines. They have achieved mass production of components supporting 200G, 400G, and 800G optical modules, including high-speed optical engines for laser and silicon optical chips.

Optical Module PC

B and Manufacturing SupportAT&S is a global leader in high-tech PCB and IC substrate manufacturing, collaborating with optical module manufacturers to produce 100G–400G optical module PCBs at scale. Their 800G PCB products have passed customer verification, and they are conducting research on 1. 6T optical modules and Co-Packaged Optics (CPO) technology.

NI

L Technology provides design, prototyping, optical characterization, and testing for optical modules, including meta-optical and diffractive elements, supporting the full production loop from design to mass manufacturing.

Schneider-

Kreuznach specializes in precision optics manufacturing, handling everything from prototyping to large-scale production of custom lenses and optical components for industrial, medical, and scientific applications.

Industry Outlook

The optical module market is rapidly expanding due to AI, cloud computing, and 5G deployment. Global demand is expected to grow from $10. 5 billion in 2021 to $24.

7 billion by 2027, with modules evolving from 400Gbps to 800Gbps and beyond, driving the need for high-speed, high-density, and thermally efficient optical modules. These companies collectively cover the entire optical module supply chain, from chip and component development to mass production, testing, and integration, making them reliable partners for large-scale optical module manufacturing.

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Frequently Asked Questions

What does an optical transceiver do?

Optical modules are mainly packaged by optoelectronic devices TOSA/ROSA, functional circuits and optoelectronic interface components. The optical t...

What is the optical module industry chain?

The upstream industry of optical modules mainly includes optical chips, optical components and optical devices, and the downstream industry mainly...

Who are the main manufacturers and suppliers in the optical module industry chain?

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Article Content

Top 10 Optical Module Brand & Manufacturers

After more than 20 years of hard work, O-Net Technology has grown into the world''s largest supplier of optical communication components, modules and subsystems, and has taken the lead in multiple

Top 10 Optical Module Manufacturers'' Annual Reports ...

The following is a list of 10 core companies with the highest projected annual report growth. All data is from publicly available annual report forecasts and does not constitute any

Top 10 Optical module manufacturers in the World 2025

Optical modules are devices that convert electrical signals into optical signals and vice versa. They are crucial for high-speed data transmission in networks, enabling faster communication over long

Top 10 Leading Companies in the Global Optical Transceiver Industry

Here are the Top 10 leading companies in the global optical transceiver market, driving innovation, scalability, and global deployment. Coherent Corp. (US) Formerly known as II-VI

The latest ranking of the TOP10 global optical module suppliers ...

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A few days ago, LightCounting, a well-known market research organization in the optical communication industry, released the latest market report and updated the TOP10 ranking of global

Top 100 Optical Component Manufacturers in 2026 | ensun

Identify and compare relevant B2B manufacturers, suppliers and retailers. Max. Zygo has over 50 years of experience in delivering high-energy laser components and systems, emphasizing their capability

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Identify manufacturers of optical components who specialize in manufacturing of high-quality planos, spheres, aspheres, cylinders, freeforms and more. Elite 100 optics companies meet production

Top Optical Modules Companies & How to Compare Them (2025)

Lumentum: Leading provider of high-speed optical modules with a focus on data centers and telecom. Ciena: Known for innovative optical networking solutions and scalable modules. Infinera:...

Top Optical Transceiver Manufacturers List (2024)

Explore the top optical transceiver manufacturers and their market share. Stay informed about revenue figures and the latest developments in the industry.

Top 10 Optical module company China Products Compare 2025

Are you curious about which optical module factories in China stand out from the crowd? With the rapid growth of technology, choosing the right manufacturer can make all the difference in your projects.

Top Optical Transceiver Manufacturers List (2024)

After gathering significant public information from various online sources and conducting relevant analysis and comparisons, we have compiled a

Chinese Optical Modules Own 7 of the Top 10 Seats. So Why Are

Seven of the global top 10 optical module suppliers in 2024 were Chinese companies (including Source Photonics, acquired by Chinese capital). Innolight and Eoptolink are estimated by

Top 10 Global Optical Modules in 2023: Chinese Manufacturers

Recently, LightCounting, a market research institution in the optical communication industry, released the latest version of the 2023 global optical module TOP10 list. LightCounting

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The latest ranking of the TOP10 global optical module suppliers ...

LightCounting pointed out that optical module suppliers headquartered in China are starting to move some of their manufacturing to their home country or other countries in Asia. Huawei

10 companies in the optical transceiver industry chain 2024

The rapid development of AIGC has promoted the demand for 800G optical modules, and the entire industrial chain involving optical components, optical modules, and optical communication

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at $14.8 billion in 2025 and is projected to reach $39.6 billion by 2034, advancing at a compound annual

How to Choose a Reliable Optical Transceiver Factory

Learn more about selecting a reliable optical module factory and production, customization, quality control, and delivery cycle through Fibrecross'' FAQs.

Optical Modules Market Size, Growth Trends & Forecast

The region''s large manufacturing base also ensures cost competitiveness, enabling rapid adoption and deployment of advanced optical modules. North America stands as the second-largest

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