Companies that mass-produce optical modules

Overview

Explore 1,296 top manufacturers and suppliers of Optical Components in our comprehensive photonics buyers'' guide.

Key Takeaways

Leading companies that have mass-produced optical modules include Innolight, Eoptolink, Accelink, Hisense Broadband, HG Genuine, Source Photonics, Coherent (Finisar), Cisco (Acacia), Marvell, and Intel.Chinese Manufacturers
• Innolight (Zhongji Innolight Co., Ltd.): A global leader in datacom optical modules, Innolight produces high-speed modules including 100G, 200G, 400G, and 800G. It has achieved batch delivery of 800G and coherent modules, serving major cloud vendors like Meta, Google, and Amazon .

• Eoptolink: Focused on high-performance optical modules for data centers, telecom networks, and smart grids, Eoptolink has a wide product portfolio and serves over 300 customers globally .

• Accelink: Specializes in optical communication modules and has mass production capabilities for high-speed modules used in telecom and data center applications .

• Hisense Broadband: Engaged in R&D and production of optical communication products, supplying international markets including North America, Europe, and Asia .

• HG Genuine: Produces optical modules for various networking applications and has established mass production lines .

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• Source Photonics: Although partially foreign-owned, it is considered a Chinese optical module manufacturer with mass production capabilities .
International Manufacturers
• Coherent (formerly Finisar): Produces a wide range of optical modules, including high-speed coherent and pluggable modules, serving both telecom and data center markets .

• Cisco (Acacia): Manufactures optical modules for long-haul and metro networks, with large-scale production for global telecom infrastructure .

• Marvell: Provides high-speed DSP chips and SerDes technologies integrated into optical modules, supporting 400G and 800G production .

• Intel: Previously mass-produced silicon photonics pluggable optical modules, selling millions of units before divesting part of its optical module business .
Key Insights

These companies have achieved large-scale production of optical modules to meet the growing demand from data centers, cloud computing, AI clusters, and 5G networks. Chinese manufacturers, led by Innolight, have increasingly dominated the global market, while international players like Coherent, Cisco, and Intel continue to supply high-performance modules for specialized applications . The mass production of optical modules spans multiple data rates, including 100G, 200G, 400G, and 800G, and supports applications in telecommunications, enterprise networks, and hyperscale cloud infrastructure.

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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The only domestic company simultaneously possessing mass production capabilities for a full range of high-speed

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

Innolight and Eoptolink are estimated by industry sources to supply roughly 60% of NVIDIA''s 800G volume, controlling

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With dual strengths in optical-module and optical-chip R&D and mass production, LIGENT stands among the few companies

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Top 10 Leading Companies in the Global Optical Transceiver Market

Accelink Technologies is a leading provider of optical communication devices, specializing in the design,

Top 24 Optical Materials Companies

Top 24 Optical Materials Companies 1. Edmund Optics Website: edmundoptics Ownership type: Private Headquarters:

What types of listed companies manufacture optical module chips?

Optical module chips are key components in the optical communication industry, playing a major role in high-speed

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Recently, LightCounting, a well-known market research organization in the optical communication industry, released

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The Build America, Buy America Act requires that optical fiber and fiber-optic cable be domestically manufactured—a

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High-speed coherent optical interconnect products that transform communications networks, relied upon by network

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Source Photonics to Expand Optical Chip and Module Production

The company has established mass-production capabilities in EML lasers and high-speed optical modules, and its

Best 10 Optical Transceiver Manufacturers in the United States (2025 ...

The ten companies below either design and ship branded pluggable transceivers, supply high-volume optical modules

United States Optoelectronics Companies

Mordor Intelligence highlights the top companies of United States Optoelectronics and provides details on leaders as well as major

Leading the Next-Gen Optical Interconnection: HG Genuine ...

To support the booming overseas business, HG Genuine keeps expanding production capacity and global layout. The

Optical Modules Market Size, Growth Trends & Forecast

The Optical Modules Market encompasses the design, manufacturing, and deployment of compact, high-performance

Top 21 Optical Laser Manufacturing Companies

Top 21 Optical Laser Manufacturing Companies 1. Spectra-Physics Website: spectra-physics Ownership type: Corporate

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

10 Leading Optical Transceiver Manufacturers in the US

The above are the top ten leading optical module manufacturers in North America summarized in the article. Although

Top 10 Companies in the Optical Modulators Materials Market (2026 ...

The global fiber optics market expansion, projected to reach USD 9.12 billion by 2028, creates significant demand for

AT&S Empowers High-Speed Optical Module PCB Manufacturing

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Nvidia''s official announcement, CPO mass production, and a ...

InnoLight Technology''s 1.6T optical modules are the only ones globally to have achieved mass production, with orders

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

A few days ago, LightCounting, a well-known market research organization in the optical communication industry,

Optical Module Chip Market 2025

The optical module chip market exhibits a fragmented yet competitive structure with global technology providers, semiconductor

USI | USI to Launch Next-Generation 1.6T Optical Module Targeting

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The company will implement automated fiber alignment in mass production to increase production efficiency and units

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