

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 Overview

Leading suppliers of communication optical modules include InnoLight, Coherent (formerly Finisar), Accelink Technology, Cisco Systems, Lumentum, Broadcom, NeoPhotonics, Eoptolink, Hisense Broadband, and WolonFiber.

Global Leaders

- o InnoLight Technology (China): A top supplier of high-speed optical transceivers, including 400G and 800G modules for AI clusters, cloud hyperscalers, and data centers. Known for rapid product development and large-scale production capabilities .
- o Coherent Corp. (USA, formerly II-VI and Finisar): Offers a full range of optical modules, from VCSEL/EML laser chips to finished transceivers, serving telecom operators and enterprise networks .
- o Accelink Technology (China): Provides vertically integrated solutions across chips, modules, and subsystems, covering long-haul, metro, and access networks. Specializes in high-end optical modules and silicon photonics .
- o Cisco Systems (USA): Through its acquisition of Acacia Communications, Cisco supplies coherent optics and pluggable modules for telecom and data center applications .
- o Lumentum (USA): Supplies high-performance optical transceivers and components for telecom and data communications networks .
- o Broadcom (USA): Offers optical modules and components for high-speed networking and data center applications .
- o NeoPhotonics (USA): Focuses on coherent optical modules and high-speed transceivers for telecom and cloud networks .

Other Notable Suppliers

- o Eoptolink (China): Specializes in high-speed optical modules for data centers and telecom networks, including 100G, 200G, 400G, and 800G products .
- o Hisense Broadband (China): Major supplier of GPON/XGS-PON optical modules for broadband access and



Communication Optical Module Suppliers

FTTH deployments .

- o WolonFiber (China): Provides OEM-compatible optical transceivers ranging from 1G SFP to 400G QSFP-DD, catering to regional ISPs and enterprise IT with flexible production and lower MOQs .

Market Insights

The optical module industry is highly dynamic, with Chinese suppliers increasingly expanding their global presence. Companies like InnoLight, Accelink, and Eoptolink are leading in high-speed modules for cloud and AI applications, while Coherent and Cisco dominate telecom and enterprise markets. Many suppliers offer vertically integrated solutions, covering optical chips, modules, and subsystems, which ensures high performance and reliability for hyperscale data centers and 5G/6G networks . These suppliers collectively cover a wide range of applications, from data center interconnects and cloud computing to telecom backbone networks and broadband access, making them key partners for global optical communication infrastructure.

A rising force in high-speed optical interconnects, INNOLIGHT has become a key supplier to hyperscale cloud

Optical Transceivers Get the pluggable module performance you need from the manufacturer of choice for

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The rapid development of AIGC has promoted the demand for 800G optical modules, and

Optical communication module manufacturers, handling companies and product information Reference price is compiled here.

The T&S Fiber Optic Transceiver product selection and innovative technology have taken a leading role in transforming the

FS offers a growing portfolio of optical transceivers, with speed range from 100M, 1G, 10G, 25G, 40G, 50G, 100G, 200G, 400G to

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An optical module is a typically hot-pluggable optical transceiver used in high-bandwidth data communications applications. Optical

This article explores MPS optical module solutions to meet the design requirements of high-speed optical communication as well as

Below are the changes in the global optical module supplier TOP10 ranking from 2021 to 2023, published by

Data centers, the beating hearts of this digital revolution, are tasked with processing and

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