

Leading Company in High-Speed Optical Modules



AI Overview

Leading companies in high-speed optical modules include InnoLight, Coherent, Accelink, Cisco, Lumentum, Sumitomo Electric, and Fujitsu, driving 400G, 800G, and emerging 1.6T solutions.

Key Players and Their Strengths

- InnoLight Technology (China)** – A global leader in optical transceivers, InnoLight specializes in high-speed modules for AI clusters and cloud hyperscalers, including 400G, 800G, and OSFP/QSFP-DD modules. The company is recognized for rapid product development and cost-effective, high-performance solutions for hyperscale data centers and telecom networks.
- Coherent Corp. (US)** – Formerly II-VI Incorporated and Finisar, Coherent manufactures a full range of optical components and transceivers, from VCSEL/EML laser chips to finished modules. It serves telecom, cloud, and AI-centric infrastructure, focusing on coherent optics, silicon photonics, and energy-efficient high-speed modules.
- Accelink Technology Co. Ltd. (China)** – A vertically integrated optical communication manufacturer, Accelink offers transceivers for long-haul, metro, and access networks. Its scalable production model allows cost-competitive solutions for high-speed optical networks.
- Cisco Systems, Inc. (US)** – Through its acquisition of Acacia Communications, Cisco develops coherent optics and pluggable modules for optical transport networks. While Cisco sells branded transceivers, it often sources from specialized optical foundries.
- Lumentum Operations LLC (US)** – Specializes in optical and photonic solutions for communication and industrial applications. Lumentum provides reliable, energy-efficient modules for 5G, cloud computing, and FTTH deployments.
- Sumitomo Electric Industries (Japan)** – Focused on high-speed optical modules for 5G networks and hyperscale data centers, Sumitomo emphasizes energy efficiency and sustainable manufacturing practices.
- Fujitsu (Japan)** – Offers...

Article Content

INNOSILICON Unveils Full Suite of High-Speed UALink IP, Powering

Jun. 09, 2026 – INNOSILICON Technology today officially announced the launch of its comprehensive high-speed UALink (Ultra Accelerator Link) solution portfolio, featuring industry-leading single-lane

PAM4 DSP Chip Market Research Report 2034

In 2025, PAM4 DSP chips are deployed in optical module formats including QSFP-DD, OSFP, SFP-DD, and emerging co-packaged optics (CPO) platforms, with leading implementations from Broadcom,

Top 10 Optical Transceiver Manufacturers in the World (2026)

To truly optimize your optical budget, you need to know the actual manufacturers driving the industry. Here are the Top 10 Optical Transceiver Manufacturers dominating the global market in 2026,

Top 10 Leading Companies in the Global Optical Transceiver Market

The company is integral to the growth of the optical transceiver market by providing innovative solutions such as: high-speed optical modules for 5G networks, energy-efficient solutions

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:...

Optical Transceiver Companies

In November 2023, Accelink Technology Co. Ltd. opened a new subsidiary, Phabritek, in Malaysia to manufacture high-end optoelectronic modules and components for advanced communication

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

Mixed-signal and digital signal processing ICs | Analog

ADI's optical networking solutions power efficient, compact optical modules for data center, enterprise, and telecom markets.

Silicon Photonics Leads Optical Circuit Switches in AI ...

Silicon Photonics is the Clear Leading Path for Scaling Optical Circuit Switches (OCS) in AI Datacenters Looking at the four current mainstream Optical Circuit Switch (OCS) technologies on the ...

Global Leader in Materials, Networking, and Lasers

Markets Datacenter and Communications Datacenter Enable ultra-high-speed data transmission and optimized power efficiency for hyperscale and enterprise

Advanced Fiber Resources (Zhuhai) Ltd.

Advanced Fiber Resources (Zhuhai) Ltd. Advanced Fiber Resources (AFR) unveiled a comprehensive portfolio of core optical components and solutions for both datacom and telecom network

10 companies in the optical transceiver industry chain 2024

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver industry chain for you.

Networking Solutions for the Era of AI | NVIDIA

Gigascale NVIDIA networking enables gigascale growth with high-radix switching, co-packaged optics, and Spectrum-XGS Ethernet technology that unify facilities into one high-performance AI fabric.

Top 10 Leading Companies in the Global Optical Transceiver Industry

Sumitomo Electric is a major Japanese conglomerate known for its telecom fiber optics and high-speed modules. It's a leading vendor of transceivers in APAC and contributes to

Intelligent IoT Solutions

Engineering Services – Leverage Our Unparalleled Expertise & Product Development Experience Build high-quality, cost-effective, innovative solutions with expertise and support from Lantronix, developer

Optical Transceiver Companies

Hisense recognizes the crucial role that packaging plays in this transition and positions it as a key differentiator for its optical modules. It pioneers innovative packaging technologies in the optical

Optical Transceiver Market: Top 10 Manufacturers Ranked

Optical transceiver market leaders: the top 10 manufacturers powering 400G and 800G modules for hyperscale data centers and AI networking.

Xi'an Interwiser-best High-bandwidth digital processing system

These modules are designed to handle the high-speed processing of digital signals, making them essential for a wide range of applications, from telecommunications to military and aerospace

Understanding High-Speed Transceiver Tests | 100G & 400G Optical ...

Understanding High-Speed Transceiver Tests in Fiber Networks Why Comprehensive Testing Is Essential for Reliable 100G, 200G, 400G, and 800G Optical Networks As network speeds

Nirmal Jain

Nirmal Jain Signal/Power Integrity & Hardware Systems Engineer with 25+ years of experience designing high-speed, high-performance systems for AI Compute, servers, networking, storage, and

Photonic Tech | High-Speed Optical Interconnect ICs

Leading provider of high-performance analog/mixed-signal chips for Data Center, 5G, and 3D Sensing applications.

Semiconductor & System Solutions | Infineon Technologies

Infineon Semiconductor & System Solutions - MCUs, sensors, automotive & power management ICs, memories, USB, Bluetooth, WiFi, LED drivers, radiation h

KB: Creating protection for Hyper-V VMs on Windows Server 2012

First published on TECHNET on Oct 11, 2012 Here's a new Knowledge Base article we published. This one talks about an issue where using DPM 2012 SP1 to create a protection group for

Top 10 Optical Module Brand & Manufacturers

Zhongji Innolight Co., Ltd. (SZ: 300308) is a professional high-speed optical module solution provider and a technology-innovative enterprise integrating R& D, design, packaging, testing and sales of high

Co-Packaged Optics Market Report 2025-2030

Co-Packaged Optics Market Co-Packaged Optics Market Dublin, April 03, 2025 (GLOBE NEWSWIRE) -- The "Co-Packaged Optics Market by Product Type (Optical Engines, Optical

Who are the Top Optical Transceiver Manufacturers? | ABPTEL

In this article, I share my insights on the top optical transceiver manufacturers in 2023. The top optical transceiver manufacturers I have come to trust include Coherent Corp., INNOLIGHT, Accelink

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 list of the leading optical transceiver

All AI Data Center Interconnects Will Be Optical Within

All AI Data Center Interconnects Will Be Optical Within 5 Years InP and SiPho join CMOS as critical technologies. Lasers, CPO and OCS will be

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