

Optical transmitters from different manufacturers



Overview

Global Optical Transmitters Market 2024 by Manufacturers, Regions, Chapter 2, to profile the top manufacturers of Optical Transmitters, with price, sales.

Key Takeaways

Top optical transmitter manufacturers include Coherent Corp., Accelink Technology, INNOLIGHT, Cisco Systems, Lumentum, Broadcom, NeoPhotonics, Applied Optoelectronics, GrenTech, and Smiths Interconnect.

Key Manufacturers and Their Focus

Coherent Corp. (US) – A major global supplier of optical components and transceivers, Coherent specializes in coherent optics and silicon photonics for high-speed telecom, cloud, and AI networks. Their portfolio includes 400G ZR/ZR+ coherent optical links and 800G/1.6T modules, emphasizing energy efficiency and high transmission capacity.

Accelink Technology Co. Ltd (China) – Offers a broad range of optical transceivers and components for long-haul, metro, and access networks. Accelink focuses on cost-efficient, reliable solutions and invests in photonic integration and advanced packaging technologies.



INNOLIGHT

T (China) – Known for rapid development of high-performance optical interconnects, INNOLIGHT supplies hyperscale cloud companies with 800G and 1.6T modules. Cisco Systems, Inc. (US) – Provides optical transceivers integrated with networking solutions, supporting enterprise and data center applications.

Lumentum and Broadcom – Both companies manufacture high-speed optical modules and components for telecom and data center networks, with a focus on coherent and pluggable transceivers.

Neo

Photonics (US) – Specializes in coherent optical modules and high-speed transceivers for long-haul and metro networks. Applied Optoelectronics, Inc. (AAOI, US) – Offers a wide range of optical transceivers for data centers and fiber optic networks, emphasizing high performance and reliability.

Gren

Tech (China) – Focuses on SFP communication solutions for cloud and telecom networks, providing high-quality, long-distance optical signal transmission. Smiths Interconnect (UK) – Produces ruggedized optical transceivers for aerospace, defense, and industrial applications, emphasizing high reliability in harsh environments. Other notable manufacturers – Include Sumitomo Electric, NeoPhotonics, Eoptolink, Hisense Broadband, FluxLight, and Fiberinthebox, which provide specialized optical transceivers and modules for various networking applications.

Applications and Market Trends

Optical transmitters and transceivers are critical for 5G networks, AI-powered data centers, cloud computing, and fiber-to-the-home (FTTH) deployments. The industry is moving toward 800G, 1.6T, and energy-efficient photonics, with manufacturers focusing on pluggable modules, coherent optics, and integrated photonic solutions to meet the growing demand for high-speed, low-latency communication.

Choosing a manufacturer depends on application requirements, such as data rate, transmission distance, environmental conditions, and integration with existing network infrastructure. Many of these companies also provide customized solutions and support for large-scale deployments in hyperscale data centers and telecom networks.

Article Content

Global Optical Transmitters Market 2024 by Manufacturers, Regions,

Chapter 2, to profile the top manufacturers of Optical Transmitters, with price, sales, revenue and global market share of Optical Transmitters from 2019 to 2024.

Top 100 Optical Transceiver Manufacturers in 2026

Discover all relevant Optical Transceiver Manufacturers worldwide, including Precision Optical Transceivers and E.C.I. NETWORKS INC. (ECI NETWORKS)

Top 10 Optical Transceiver Manufacturers in the World (2026)

Sourcing optics for your data center? Discover the top 10 optical transceiver manufacturers in 2026. Compare global giants and factory-direct OEM alternatives.

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.

Who are the Top Optical Transceiver Manufacturers?

In my experience, a few companies consistently stand out due to their innovation, quality, and strategic growth. In this article, I share my insights on the top optical

Top 10 Leading Companies in the Global Optical Transceiver Industry

These ten companies are setting the pace through a mix of deep R&D, large-scale manufacturing, and strategic positioning across data center and telecom ecosystems.

Optical Transmitters Product List and Ranking from 13 Manufacturers ...

Optical Transmitters manufacturers, handling companies and product information
Reference price is compiled here. IPROS GMS offers comprehensive B2B resources for the Optical Transmitters

34 Optical Transceiver Manufacturers in 2026

This section provides an overview for optical transceivers as well as their applications and principles. Also, please take a look at the list of 34 optical transceiver manufacturers and their company rankings.

Top 28 Optical Communication Systems Companies

If you want to find more companies that provide optical transceivers, networking equipment, and communication solutions you can do so with Inven. This list was built with Inven and there are

Top 100 Optical Transceiver Manufacturers in 2026

An optical transceiver is a critical component in fiber optic communication systems, combining both a transmitter and a receiver into a single device. It converts

Fiber-optic communication

Modern fiber-optic communication systems generally include optical transmitters that convert electrical signals into optical signals, optical fiber cables to carry the

Small Form-factor Pluggable

40 Gbit QSFP+ transceiver showing the optical fibre connection Quad Small Form-factor Pluggable (QSFP) transceivers are available with a variety of transmitter and receiver types, allowing users to

34 Optical Transceiver Manufacturers in 2026

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Understanding Optical Modules: Types and Troubleshooting Guide

An optical module is mainly composed of optoelectronic devices (including the optical transmitter and optical receiver), functional circuitry, and optical interfaces. Its fundamental role is to bridge the gap

Understanding Optical Modules: Working Principles, Structures, and ...

Explore the working principles, structures, and performance metrics of optical modules, essential components of optical fiber communication systems. Learn about key indicators such as

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.

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

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