Which companies produce active optical devices



Overview

The number of venture-backed optical component startups has exploded - the Optical Component Start-Up Tracker identifies these companies and their value propositions.

Key Takeaways

Key companies in the active optical device market include Finisar (II-VI), Lumentum, Sumitomo, Acacia (Cisco), Fujitsu, NPTN, AAOI, Source Photonics, Thorlabs, and TFC.

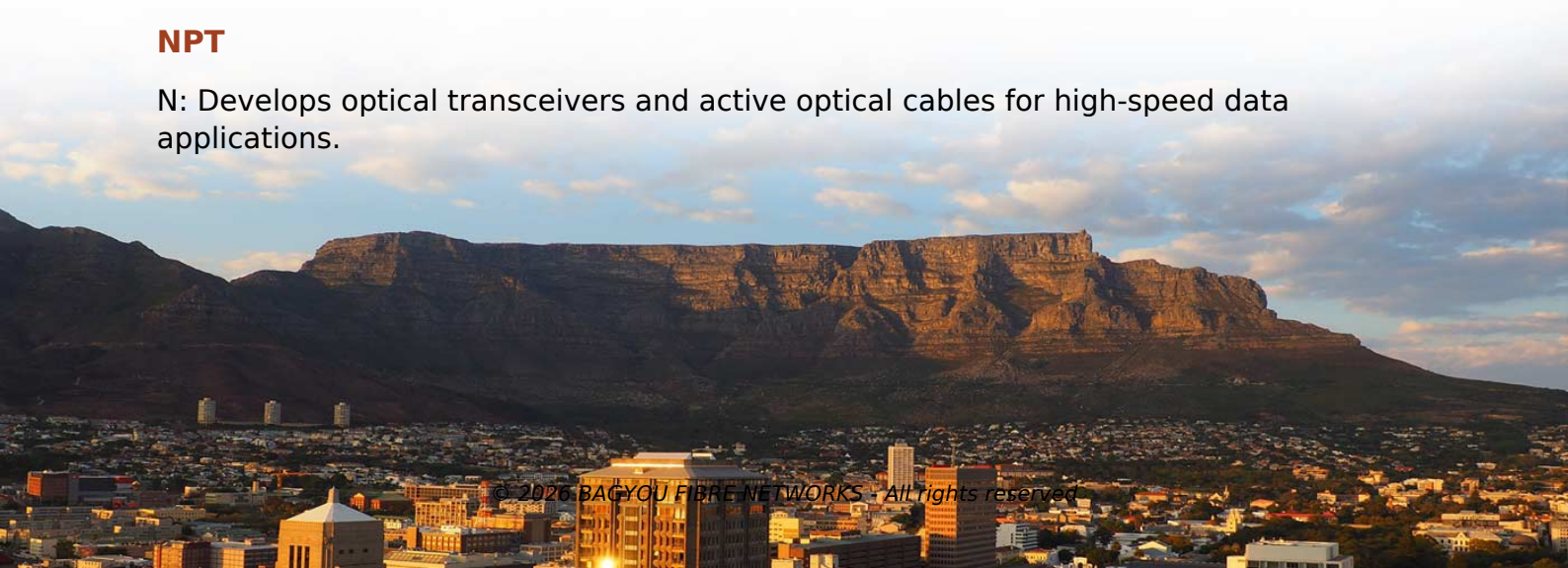
Leading Global Companies

Finisar (Acquired by II-VI): Specializes in optical transceivers and components for data centers and telecom networks, providing high-speed data transmission solutions. Lumentum: Offers optical modules, transceivers, and lasers for telecommunications and enterprise networks. Sumitomo Electric: Produces optical fibers, transceivers, and active optical components for global telecom and IT applications.

Acacia (Acquired by Cisco): Focuses on high-speed optical interconnects and coherent optical solutions for data centers and telecom networks. Fujitsu: Provides optical transceivers, modulators, and photonic devices for IT and telecom sectors.

NPT

N: Develops optical transceivers and active optical cables for high-speed data applications.



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AAO

I (Applied Optoelectronics, Inc.): Manufactures optical transceivers, active optical cables, and related components for data centers and telecom networks. Source Photonics (Acquired by Huaxi Holding): Supplies optical transceivers, modules, and active optical cables for global networking applications. Thorlabs: Offers a wide range of optical components, including modulators, detectors, and lasers for research and industrial applications.

TF

C: Provides optical transceivers and active optical solutions for high-speed communication networks.

Regional and Specialized Players

Huawei Technologies: Offers telecom infrastructure and active optical devices, including transceivers and networking equipment, deployed globally. Boeing: While primarily an aerospace company, Boeing develops optical systems and active optical technologies for defense and space applications.

Pixel

Optics: Focuses on optical lenses and display technologies, with innovations in composite lens design.

Market Trends

The active optical device market is growing rapidly due to increasing demand for high-speed data transmission, cloud computing, 5G deployment, and data center expansion. Active optical devices include optical transceivers, modulators, amplifiers, and active optical cables (AOCs), which convert electrical signals to optical signals and vice versa. The global market was valued at approximately USD 6.

2 billion in 2024 and is projected to reach USD 15. 5 billion by 2033, growing at a CAGR of 10. 5%.

Applications

Active optical devices are widely used in: Telecommunications: High-speed fiber-optic networks and 5G infrastructure. Data Centers: High-bandwidth interconnects and low-latency networking. Consumer Electronics: Optical cables and high-speed data transfer solutions.

Industrial and Research: Optical modulators, detectors, and lasers for scientific and defense applications. These companies and technologies are central to the expansion of global optical communication networks, supporting faster, more reliable, and energy-efficient data transmission.

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Article Content

Global Active Optical Devices Market Research Report 2025

The report will help the Active Optical Devices manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average

Global Active Optical Devices Market 2025 by Manufacturers, Regions ...

This report is a detailed and comprehensive analysis for global Active Optical Devices market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type

Global Optical Active Device Market 2025 by Manufacturers, Regions ...

This report profiles key players in the global Optical Active Device market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio,

Optical Component Startup Tracker

The number of venture-backed optical component startups has exploded - the Optical Component Start-Up Tracker identifies these companies and their value propositions.

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.

Top Passive And Active Optical Components Companies & How to

Companies specializing in passive and active optical components are at the forefront, providing essential parts for high-speed networks and data centers.

Global Active Optical Devices Market Research Report 2025

The major global manufacturers of Active Optical Devices include Finisar (Acquired by II-VI), Sumitomo, Lumentum, Acacia (Acquired by Cisco), Fujitsu, NPTN, AAOI, Source Photonics (Acquired by Huaxi

Top 10 Companies in the Active Fibers Industry (2026): Market

In this blog, we profile the Top 10 Companies in the Active Fibers Industry —pioneers delivering cutting-edge optical gain fibers for industrial, telecom, and defense applications.

Top 24 Optoelectronic Devices Manufacturing Companies

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Read on to explore the top optoelectronic devices manufacturing companies. 1. OSI Optoelectronics, founded in 2006 and based in Hawthorne, California, is a private company that specializes in

Marketing Masterminds

Unlock detailed market insights on the Active Optical Devices Market, anticipated to grow from USD 6.20 billion in 2024 to USD 15.50 billion by 2033, maintaining a CAGR of 10.5%. The analysis...

Active Optical Devices Market Research Report 2034

The Active Optical Devices market was valued at $6.57 billion in 2025 and is projected to reach $15.29 billion by 2034, growing at 9.8% CAGR.

Global Active Optical Devices Market Size, Industry Share, Trends ...

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Optical Active Device Market Report | In-Depth Analysis 2035

Optical Active Device Market Overview: The Optical Active Device Market Size was valued at 36.3 USD Billion in 2024. The Optical Active Device Market is expected to grow from 38.3 USD Billion in 2025

How Active Optical Devices Works — In One Simple Flow (2025)

Unlock detailed market insights on the Active Optical Devices Market, anticipated to grow from USD 6.20 billion in 2024 to USD 15.

Navigating the Active Optical Devices Market: Insights on ...

Typically, companies within the Active Optical Devices market are analyzed based on their technological capabilities, product innovations, strategic partnerships, market positioning, and

Active Optical Devices Market Size, Growth Opportunities, Industry ...

The Active Optical Devices Market Report offers a detailed examination of both established and emerging players within the market. It presents extensive lists of prominent companies categorized

20 Active Optical Cable Manufacturers in 2026

20 Active Optical Cable Manufacturers in 2026 This section provides an overview for active optical cables as well as their applications and principles. Also, please take a look at the list of 20 active

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Active Optical Devices Market at a Turning Point: Trends and

The Active Optical Devices Market is at a pivotal turning point, marked by accelerating adoption, technological innovation, and evolving business needs.

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