

Acquisition of Optical Module Companies

Article Overview

The optical module and photonics sector is experiencing a surge in acquisitions and strategic investments, driven by AI infrastructure demand, high-speed chip development, and the need for vertical integration.

Key Drivers of M&A Activity

High-end optical module acquisitions are primarily motivated by the need to secure core optical and high-speed electrical chip technologies, which are difficult to develop internally and critical for system performance and bandwidth ceilings. Companies pursue M&A to expand upstream value chains, enhance supply chain security, and accelerate technological capabilities in optical transmitters, receivers, and DSP/SerDes chips . The shift from module-focused M&A to chip-focused acquisitions reflects the industry's recognition that future competition hinges on chip-level innovation .

Notable Recent Acquisitions and Investments

- AMD acquired Enosemi to strengthen its optical I/O capabilities for AI infrastructure, leveraging monolithic integration of photonics and RF electronics on a single silicon die, enabling high-bandwidth, low-power optical engines .
- Marvell acquired Celestial AI for \$3.25 billion (potentially \$5.5 billion with earn-outs), targeting photonic fabric architectures to overcome memory bottlenecks in AI systems .
- Credo Technology Group acquired Hyperlume, a Canadian startup specializing in low-energy MicroLED optical interconnects for short-reach, high-density chip-to-chip...

Article Content

Jan 04, 2026

Active Optical Module Market Research Report 2034

Active Optical Module market valued at \$10.7 billion in 2025, projected to reach \$35.6 billion by 2034 at 14.2% CAGR, driven by data center expansion and 5G deployment.

Jun 24, 2026

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.

Mar 24, 2026

Mergers & Acquisitions Highlights for the First Half of 2025

In the first half of 2025, a handful of companies have stood out for their aggressive acquisition strategies. Most of them are US-based, confirming the country's dominant role in shaping

Jun 30, 2026

Latest Ranking Of Top 10 Global Optical Module Suppliers

Recently, LightCounting, a well-known market research organization in the optical communication industry, released the latest issue of its market report and updated the TOP10

Nov 21, 2025

Mergers and acquisitions in the high-end optical module chip sector

Therefore, high-end optical module chip M& A has become a key industrial upgrading pathway. Its essence is: □□ Using capital-driven consolidation to rapidly acquire core capabilities in

Apr 10, 2026

After Acquisition Turmoil, Dongshan Precision's Subsidiary Plans \$1.2 ...

①Dongshan Precision's subsidiary Source Photonics and its subsidiaries plan to implement an expansion project for optical chips and optical modules in Changzhou and other

May 31, 2026

NVIDIA Announces Strategic Partnership With

NVIDIA today announced multiyear strategic agreements with Lumentum Holdings Inc. (NASDAQ: LITE) to accelerate innovation in advanced

May 26, 2026

Optical Transceiver Companies

These companies have employed a variety of growth approaches, such as product launches, partnerships, collaborations, and acquisitions, to compete in the optical transceiver market.

Dec 01, 2025

Optical Solutions

Optical Flex Circuits FlexPlane Optical Flex Circuits provide versatile, high-density routing on a flexible substrate, and Routed Ribbon Solutions offer cable

Dec 21, 2025

Top Silicon Photonics Stocks 2026: Breaking the Copper Wall

Its "GF Fotonix" platform has become the go-to for fabless photonics companies, and the AMF acquisition allows it to offer a "China-free" supply chain for optical chips, a selling point that may

Jul 02, 2026

Global 800G Optical Module Market Size, Share, Growth Analysis ...

800G Optical Module Market Outlook By Size and Forecast The trajectory of the 800G optical module market over the next several years is characterized by a combination of technological,

Jan 04, 2026

Optical Module Package Market 2025

FREQUENTLY ASKED QUESTIONS: What is the current market size of Global Optical Module Package Market? -> Optical Module Package Market was valued at 8942 million in 2024 and is projected to

Sep 17, 2025

Nokia completes acquisition of Infinera to create innovation

Nokia completes acquisition of Infinera to create innovation powerhouse in optical networks, with the scale to power the data center revolutionBrings together two pioneering leaders in

Dec 14, 2025

Credo Technology Group Holding Ltd

Acquisition will bring industry-leading Silicon Photonics PIC technology in-house, expanding Credo's addressable market and deepening its optical interconnect portfolio across 800G,

Aug 04, 2025

Optics Transceiver Module Market 2025

Which key companies operate in Global Optics Transceiver Module Market? -> Key players include TDK, Hamamatsu Photonics, Cisco, HP, Juniper, Huawei, Broadcom, among others. What are the

Jun 11, 2026

Marvell Announces Acquisition of Polariton Technologies, Advancing ...

Adds Plasmonics-based Modulation Technology and a Team with Deep Silicon Photonics Expertise to Advance Marvell's Optical Roadmap SANTA CLARA, Calif.-- (BUSINESS WIRE)--

Dec 19, 2025

Dongshan Precision's Source Photonics to Invest USD1.2 Billion to

Its new Thai plant has not yet achieved mass production. This capacity expansion plan will scale up the company's output of high-end optical chips and optical modules, fully address

Mar 21, 2026

Network firm Lumentum to buy Cloud Light Technology for \$750m

Optical network company Lumentum is buying Cloud Light Technology for \$750 million. Hong Kong-based Cloud Light Technology makes optical modules for data center interconnects.

Apr 05, 2026

NVIDIA Strategic Investments in Optical Interconnects

Following newly announced investments, NVIDIA has committed over \$4 billion in direct strategic investments across two optical interconnect companies, Lumentum and Coherent,

Jun 14, 2026

Mergers & Acquisitions in Photonics | Jan thru Sept 2024

Gooch & Housego sells its optoelectronic components and laser modules business to Luminar Technologies, Inc. and divests EM4, Inc., supplier of optoelectronics modules.

Aug 09, 2025

Silicon Photonics 2025: The \$10B Battle for AI Interconnects

The deal allows Ciena to bypass traditional pluggable module vendors by combining its own DSP expertise with Nubis's ultra-short-reach, high-density optical engines.

Oct 22, 2025

Nvidia to invest \$4B into photonics companies

Nvidia is investing a combined \$4 billion in Coherent and Lumentum, two photonics companies. Each company will receive \$2 billion each from the

Nov 10, 2025

LightCounting :: May 2023 Optical Vendor Landscape

The report also includes a review of the latest mergers and acquisitions and their impact on the market landscape. This report takes a deeper look at suppliers of optical components and modules,

Dec 31, 2025

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 reach \$39.6 billion by 2034, advancing at a compound annual

Feb 27, 2026

Optical Module Market Size, Competitors & Forecast to 2032

The Optical Module Market, valued at USD 30.01B in 2026, is projected to reach USD 66.94B by 2032, growing at a 14.1% CAGR.

Jun 15, 2026

Marvell to Acquire Celestial AI, Accelerating Scale-up Connectivity for ...

This strategic acquisition represents a transformational milestone in accelerating the company's connectivity strategy for next-generation AI and cloud data centers. AI is reshaping data

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

This document is for informational purposes only. Specifications subject to
change without notice.

