

Optical Module Demand Explodes in 2025



Overview

BOSTON (January 7, 2026) – AI-driven datacenter and transport builds will push the optical components market revenue to a record high in 2025, with datacom revenue forecast to exceed \$18 billion and coherent module revenue to reach nearly \$6 billion, according to research. BOSTON (January 7, 2026) – AI-driven datacenter and transport builds will push the optical components market revenue to a record high in 2025, with datacom revenue forecast to exceed \$18 billion and coherent module revenue to reach nearly \$6 billion, according to research. The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.5 billion during the forecast period from 2026 to 2034. 0% during the forecast period 2025-2032

MARKET INSIGHTS The global Optical Module Chip Market size was valued at US\$ 823 million in 2024 and is projected to reach. •AI infrastructure race fueled a Capex surge in 2024 to approximately \$200bn •2025 Capex Projection to near \$350bn and 2030 Capex projection to near \$545bn •Capex funding facilities expansion, xPU acquisition •Expectations of continued growth through 2030 with generative AI adoption both at the. Yole Group unveils its latest photonic market and technology analyses, Silicon Photonics 2025 and Co-Packaged Optics for Data Centers 2025, which explore how AI-driven demand is reshaping connectivity, from transceivers to packaging innovation. 200G/channel will become the new mainstream, enabling. The market's Compound Annual Growth Rate (CAGR) is estimated at 12% from 2025 to 2033, projecting substantial expansion from an estimated \$15 billion market size in 2025 to approximately \$42 billion by 2033.

Article Content

Optical Module Industry Statistics 2026

The demand for low-power optical modules is increasing due to data center energy efficiency mandates, with 70% of operators prioritizing modules with <3W power consumption.

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right

AI Data Centers Ignite a Laser Shortage Wave; Nvidia's

High-speed PD demand surges; Taiwanese epitaxy vendors benefit In addition to laser transmitters, optical modules need high-speed photodiodes

Optical Module Package Market 2025

South America In South America, the Optical Module Package market is in a nascent growth phase, with Brazil leading in telecommunication infrastructure upgrades. Demand is concentrated in urban

Optical Module Market Growth Driven by AI Demand

LightCounting predicts that the Optical Module Market will grow at an annual rate of 30–35% in 2025–2026, before gradually slowing to 15–20%

Coherent Q2 FY 2026: AI Datacenter Demand Lifts

Futurum Research analyzes Coherent's Q2 FY 2026 results, highlighting AI datacenter optics demand, 6-inch indium phosphide capacity

Optical Module Market Size, Competitors & Forecast to

Market Snapshot: Growth and Opportunity in the Optical Module Market The Optical Module Market grew from USD 26.53 billion in 2025 to USD 30.01 billion in 2026

800ZR/ZR+ Forecast Update

Greater 800ZR+ demand will cannibalize 400ZR+, 800G embedded, and 1.2T+ module shipments. Hyperscalers will deploy these 800ZR+ optics in an

Silicon photonics and co-packaged optics at the heart of

Yole Group unveils its latest photonic market and technology analyses, Silicon Photonics 2025 and Co-Packaged Optics for Data Centers 2025, which

Optical Modules Market Research Report 2034

The optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, growing at a CAGR of 11.5%.

AI Drives Doubling of 800G Optical Transceiver Shipments in 2025

Furthermore, driven by escalating demands from AI technology, shipments of 800G optical transceivers are projected to grow by 100% year-over-year in 2025. The market will also see the initial shipments

POET Technologies Announces Closing of US\$75 Million Investment

About POET Technologies Inc. POET is a design and development company offering high-speed optical engines, light source products and custom optical modules to the artificial intelligence

Optical Components Market Update

- AEC/direct attach copper cables (DACs), AOCs, and optical transceiver capacity:While there is already a high demand for AECs/DACs, AOCs, and optical transceivers to support new AI deployments, it

Optical Module Chip Market 2025

This market research report provides a comprehensive analysis of the global and regional Optical Module Chip markets, covering the forecast period 2025–2032. It offers detailed insights into market

Optical Modules

This report aims to provide a comprehensive presentation of the global market for Optical Modules, focusing on the total sales volume, sales revenue, price, key companies market share and

2025 Optical Module Market Share and Demand Report

Overview of the optical communication module market demand and supply chain, and production capacity in various regions in 2025

100G Optical Module Market Report | Global Forecast From 2025 To

100G Optical Module Market Outlook The global 100G optical module market size was valued at approximately USD 5.8 billion in 2023 and is projected to reach around USD 19.2 billion by 2032,

Five Key Trends of Co-Packaged Optics (CPO) in 2026

To address the energy demand from AI, co-packaged optics (CPO) brings optical engines directly adjacent to switch ASICs, accelerators, and

Optical Component Revenue Reaches Nearly \$25B in

BOSTON (January 7, 2026) – AI-driven datacenter and transport builds will push the optical components market revenue to a record high in 2025, with datacom

AI demand sends profit soaring for China optical vendor

AI demand sends profit soaring for China optical vendor Domestic AI demand surging in China with cloud giants boosting capex by 254%.

Optical Modules Market Size, Trends & Forecast 2025-2035 | Core

Discover Optical Modules Market trends, growth analysis, key segments, and regional insights. Forecast 2025-2035. Explore industry opportunities now!

Understanding Optics Module Trends and Growth Dynamics

The optics module market is booming, projected to reach \$42 billion by 2033, driven by 5G, cloud computing, and data center expansion. Learn about key market trends, leading companies, and

Dell'Oro: Optical Transport Market Grows 10% in 2025,

According to a recently published report from Dell'Oro Group, the trusted source for market information about the telecommunications, security,

In One Chart | 2025's Top Performing Sectors Revealed! US Stocks

Lumentum Holdings, Inc. (LITE) soared 343.23% due to the explosive demand for optical interconnects in AI data centers, with a surge in orders for its 800G/1.6T optical module

Google's High-Speed Interconnect Architecture to Push

Based on TrendForce's projection that nearly 4 million Google TPUs will be shipped in 2026, demand for 800G-plus optical modules is expected to

Optical Module Chip Market 2025

Exploding Demand for High-Speed Data Transmission Fuels Optical Module Chip Adoption The insatiable global appetite for faster data speeds is propelling the optical module chip market forward.

Active Optical Module Market Report | Global Forecast From 2025 To

Active Optical Module Market Outlook The global active optical module market size is poised to grow significantly from USD 3.5 billion in 2023 to an estimated USD 10.8 billion by 2032, reflecting a

Contact Us

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