

## Institutional forecasts of optical module demand



### Overview

Data centers will keep dominating optical module demand as AI and cloud drive revenue growth through 2030. Optical module demand is being pulled in two directions at once, faster bandwidth for dense networks and tighter constraints on power, security, and lead times. The market, projected to reach \$14. Optical modules, which encompass transceivers, cables, amplifiers. •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. Global Optical Modules Market Size By Product Type (Transceivers, Transponders), By Technology Type (Single-Mode Fiber (SMF), Multi-Mode Fiber (MMF)), By Application (Telecommunications, Data Centers), By Data Rate (10 Gbps, 25 Gbps), By Form Factor (SFP (Small Form-Factor Pluggable), SFP+). The global optical modules market is projected to reach a valuation of USD 15. This growth is primarily driven by the increasing demand for high-speed internet and data transfer capabilities across various. Optical Module Chip Market size was valued at US\$ 823 million in 2024 and is projected to reach US\$ 1. 52 billion by 2032, at a CAGR of 8.

## Article Content

### Market Forecast Report

This report provides a detailed market demand forecast through 2028 for optical components and modules used in Ethernet, Fibre Channel, CWDM/DWDM, wireless infrastructure, FTTx, and high

Global optical module sales reach \$4.25 billion in H1 2022

The global Ethernet optical module market share in Q1 and Q2 2022 amounted to USD 1,112/ 1,207 million respectively, and the sales revenue in Q2, although lower than the record high in

### Optical Module Industry Statistics 2026

Data centers will keep dominating optical module demand as AI and cloud drive revenue growth through 2030. Optical module demand is being pulled in two directions at once, faster

### 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

### Comprehensive Overview of Optical Module and DCI Trends: 2026-2034

The optical module and DCI market is booming, projected to reach \$40 billion by 2033, driven by cloud computing, 5G, and data-intensive applications. Learn about market trends, key

### Optical Module Chip Market 2025

FREQUENTLY ASKED QUESTIONS: What is the current market size of Global Optical Module Chip Market? -> Optical Module Chip Market size was valued at US\$ 823 million in 2024 and is projected

### 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

### 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,

### Data Center Optical Module Market Report | Global

Data Center Optical Module Market Outlook The global data center optical module market size was valued at approximately USD 5.2 billion in 2023 and is projected

SFP Optical Module Charting Growth Trajectories 2026-2034:

The compact design and cost-effectiveness of SFP modules further solidify their position as the preferred choice over larger form factors. Our analysis forecasts the SFP optical module market to

Global Data Center Optical Module Market Research Report

Global Data Center Optical Module Market: Market Segmentation Analysis This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and

Optical Modules

The global market for Optical Modules was estimated to be worth US\$ 17590 million in 2024 and is forecast to a readjusted size of US\$ 56786 million by 2031 with a CAGR of 15.8% during

Optical Modules Market Size, Future Growth and Forecast 2033

The global optical modules market is projected to reach a valuation of USD 15.8 billion by 2033, growing at a compound annual growth rate (CAGR) of 7.5% from 2025 to 2033.

Global Optical Modules Market Outlook, In-Depth Analysis & Forecast

The global Optical Modules market is projected to grow from US\$ 17590 million in 2024 to US\$ 56786 million by 2031, at a CAGR of 15.8% (2025-2031), driven by critical product segments

Optical Modules Market Research Report 2034

PDF file

Optical Components Market Update - grouper.ieee

- 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 Industry Statistics 2026

Worldmetrics REPORT 2026 Electronics And Gadgets Optical Module Industry Statistics Data centers will keep dominating optical module demand as AI and cloud drive revenue growth through 2030.

By 2025, Global AIDC Capacity Reaches 20GW, Surge in Optical Module ...

According to market forecasts, the demand for optical modules will continue to grow significantly. Notably, the 1.6T network cards are expected to double in usage by 2026, indicating a

Pluggable Optical Module Market Research Report 2034

Pluggable Optical Module Market Outlook 2025-2034 The global pluggable optical module market was valued at \$9.8 billion in 2025 and is projected to reach \$26.4 billion by 2034, expanding at a

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

Optical Modules Market Size, Future Growth and Forecast 2033

Increasing investments in data centers and the expansion of telecommunication infrastructure are propelling market growth. The growing need for energy-efficient and high-performance network

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

As organizations seek to optimize their optical communication systems and address specific operational requirements, the demand for these specialized optical modules is poised to rise.

## Contact Us

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