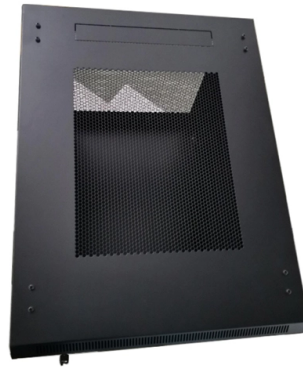


Annual Shipments of Optical Modules by Optical Communications



Overview

Currently, annual shipments of AI cluster optical modules amount to tens of millions, with a projected increase to nearly 100 million units by 2029. China dominates the optical supply chain, producing around 90% of the world's optical fiber preforms and 85% of its fiber output, while shipments of optical transceivers are rising, up 22% in 2023 and pushing module costs down 15% from 2021 to 2023. Track how faster lead times, shrinking cable. Optical communications are driving huge economic growth, cutting costs and boosting faster, energy efficient connectivity worldwide. Optical communications contributes \$3. 7 trillion to global GDP each year, which is 3. See the clearest 2025 signals on capacity, investment, and performance so you can separate durable momentum from short. BOSTON (January 7, 2025) – Total shipments of leading-edge datacom optical modules are projected to tally over \$9 billion for 2024, according to the latest Optical Components Report from research firm Signal AI. Datacom optical component revenue alone exceeded \$19 billion for the year, marking a more than. The latest forecast for the total size of the global Ethernet transceiver market has not changed significantly since July 2024, but there are many changes on the product level.



Article Content

Optical Transceiver Market Size, Share, Industry Report – 2035

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is expected to grow from USD 15.4 billion in 2026 to USD 28.6 billion in 2031 &

LightCounting optical transceiver report asks what it will take to put ...

LightCounting has released the April edition of its Optical Communications Market Forecast Report. The report provides a detailed market demand forecast through 2024 for optical components and

Single Mode Optical Modules: Growth & Key Trends to 2033

The Global Single Mode Optical Modules Market is a critical enabler for high-speed data transmission and communication infrastructure, valued at an estimated \$2.9 billion in 2025.

Optical Communications Industry Statistics 2026

Global optical transceiver shipments grew 22 percent in 2023 from the prior year. Module prices dropped 15 percent over the same period as production volumes rose.

2025 Optical Module Market Share and Demand Report

The 2025 optical communication industry is driven by AI data centers (AIDCs) and 5G rollouts, with high-speed optical modules (400G/800G/1.6T) emerging as core growth engines.

400G optical transceiver shipments to triple by 2025

These advantages make optical communication indispensable for AI infrastructure, driving the growth of 800Gbps and 1.6Tbps optical transceivers. Upgraded traditional servers are also

Over 20 Million 400G & 800G Datacom Optical Module Shipments

BOSTON (January 7, 2025) – Total shipments of leading-edge datacom optical modules are projected to tally over \$9 billion for 2024, according to the latest Optical Components Report from research firm

Datacom Optical Component Revenue Surpasses \$19B in 2025

The report also tracks detailed unit shipments and total market size of datacom and telecom components, including 400GbE / 800GbE / 1.6TbE datacom transceivers used for intra

Optical Transceiver Market Size, Share, Analysis 2030

The global Optical Transceiver Market size in terms of revenue was estimated to be worth \$13.6 billion in 2024 and is poised to reach \$25.0 billion by 2029, growing at a CAGR of 13.0% during the forecast

LightCounting :: Component shortages limit growth in transceiver sales

Chinese optical module manufacturers will report Q4 results together with the full year results in April, but several of them have already released very high net profits for 2024, indicating significant annual

Powering the Next Data Race: How 800G & 1.6T Optical Modules Are ...

Powering the Next Data Race: How 800G & 1.6T Optical Modules Are Reshaping AI and Cloud Infrastructure Original Article by SemiVision Research (Optical Communication Marketing and

Optical Modules Market Size, Growth Trends & Forecast

The Optical Modules Market encompasses the design, manufacturing, and deployment of compact, high-performance devices that facilitate the transmission and reception of optical signals

Optical Communications Industry Statistics 2026 | Gitnux

Optical communications industry metrics for 2025 reveal how quickly demand is shifting toward higher capacity networks and what that pressure is doing to supply and deployment.

Optical Module PCB Board Market: \$89.4B by 2034, 6.6% CAGR

Key Insights for Optical Module PCB Board Market The Optical Module PCB Board Market is poised for significant expansion, driven by the escalating demand for high-speed data transmission

Optical Transceiver Market Size, Share, Trends | Forecast

The global optical transceiver market size was valued at USD 14.7 billion in 2025 and is projected to grow from USD 17.15 billion in 2026 to USD 46.12 billion by 2034, exhibiting a CAGR of

LightCounting Predicts Explosive Growth for OCS and Optical Modules

At a recent seminar, LightCounting projected that the shipment volumes of optical transceiver modules and Optical Circuit Switches (OCS) will see explosive growth over the next five

Demand for Datacom Optical Modules Reaches Record Levels in 1Q24

Spending on Datacom optical components was up more than 90% YoY as AI applications of 400GbE and 800GbE optical modules for AI applications drove demand to record levels.

Optical Components

Optical Components Report Report Overview: Provides quarterly corporate revenue market share by end-market segment and quarterly shipment numbers for select optical

Top 10 Optical Module Manufacturers' Annual Reports ...

By 2025, its 800G optical module shipments will exceed 5 million units, making it the global "shipment champion" in the optical module industry, demonstrating significant economies of

Over 20 Million 400G & 800G Datacom Optical Module Shipments

Unit shipments of 400G and 800G modules have grown nearly fourfold over the past 12 months and are expected to surpass 20 million for 2024. "Optical interconnect for AI applications is

LightCounting :: Updated forecast for sales of Ethernet transceivers ...

This report analyzes the impact of growing data traffic and the changing architecture of data centers on the market forecast for Ethernet optical transceivers with a focus on the high-speed modules used in

Optical Transceiver Market Insights and Growth Report 2026

Optical Transceiver Market Overview • Optical Transceiver market size has reached to \$12.75 billion in 2025 • Expected to grow to \$27.6 billion in 2030 at a compound annual growth rate (CAGR) of 16.8%

2025 Optical Module Market Share and Demand Report

North America dominates with 36% market share, led by 800G/1.6T shipments from Chinese vendors like Innolight and Eoptolink. Asia Pacific grows fastest at 18% CAGR, focused on

800G Optical Modules Drive Market Recovery in 2025

800G modules drive optical market recovery in Q2 2025, with initial 1.6T shipments. This article highlights key trends in data center optics and AI infrastructure investment.

LightCounting Calendar

A detailed Excel spreadsheet accompanies the report, providing a five-year forecast of wireless and FTTx optics shipments, prices, and revenues, broken down by speeds, reaches, and

Demand for Datacom Optical Modules Reaches Record Levels in 1Q24

400 and 800GbE module shipments jump more than 25% QoQ BOSTON (June 11, 2024) – Hyperscale network operator demand drove purchases of 400GbE and 800GbE datacom and

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