

Optical module shipments in Q2



Overview

Market Momentum: 800G transceiver sales are rebounding—LightCounting reports a 10% quarter-over-quarter increase in Q2 2025, led by 800G modules. The key growth driver is the rising demand for 800G Ethernet optical modules. BOSTON (May 7, 2025) - After explosive growth in 2024, 800G Datacom optics for AI and general computing applications will be the fastest growing segment of the market in 2025, according to the latest Optical Components Report from research firm Cignal AI. 6T optics will enter volume production in. With 400G modules now the baseline, 800G adoption is surging—especially across AI and hyperscaler environments—while 1.6T modules edge closer to reality. This article unpacks the technologies powering this leap (silicon photonics, advanced modulation, and co-packaged optics), compares deployment. LightCounting expects a 10% sequential growth in sales of optical transceivers in the current quarter, after a flat Q1.



Article Content

Optical Module Package Market 2025

Optical Module Package Market was valued at 8942 million in 2024 and is projected to reach US\$ 20220 million by 2032, at a CAGR of 12.7%

Over 20 Million 400G & 800G Datacom Optical Module

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

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

POET, Lessengers develop 1.6T 2xDR4 optical module | POET Stock

LightCounting sees 125M 1.6T DR8 units 2027–31 as POET and Lessengers co-develop a 1.6T 2xDR4 optical module for AI centers, with samples due Q2 2026.

POET Technologies Ramps Up Production After \$375 Million Capital...

POET Technologies (TSXV:PTK, NASDAQ:POET) is entering 2026 with clear momentum, reporting that it secured over \$375 million in gross equity proceeds—\$225 million during Q4 and

1Q24 High-speed Datacom Optical Module Shipments

2.This quarter, over 3 million high-speed datacom optical modules were shipped. These modules are used to support connections for AI clusters

Lumentum (LITE) Q2 2026 Earnings Call Transcript

Lumentum (LITE) Q2 2026 Earnings Call Transcript DATE Tuesday, Feb. 3, 2026 at 5 p.m. ET CALL PARTICIPANTS President and Chief Executive Officer —

Lumentum Holdings Inc. (LITE) Q2 FY2026 earnings call transcript

Read Lumentum Holdings Inc. (LITE) Q2 FY2026 earnings call transcript on Yahoo Finance to keep your investing strategy up to date with all of the latest information

2025 Optical Module Market Share and Demand Report

Global AIDC CAPEX is projected at \$400-480 billion in 2025, with optical modules accounting for 3% of total costs, translating to a \$12-14.4 billion

Amble MarketPulse: IDC Raises 2026 Semi Forecast to \$1.29T

IDC Sees 2026 Semiconductor Market Up 53% to \$1.29T; China Chip Exports Surge 100% in April The global semiconductor market is going through a major structural shift.

The Evolution of Optical Modules: 400G → 800G → 1.6T - A Strategic ...

Why Optical Modules Matter Now Exponential Demand Growth: Shipments of 400G and 800G modules exceeded 20 million units in 2024, generating nearly \$9 billion in revenue. The optical

Sales of optical transceivers exceeded US\$3 billion in

LightCounting's latest Quarterly Market Update report includes data from LightCounting's survey of the leading transceiver suppliers, which shows

Optical Component Revenue Reaches Nearly \$25B in

“More than 10M 400G+ Datacom optical modules shipped last quarter for the first time, breaking \$5B in revenue,” said Scott Wilkinson, Lead Analyst at

800GbE Optics Shipments to Grow 60% in 2025

The datacom optical component market will grow 60%+ to reach over \$16B in revenue during 2025, based primarily on continued growth in 400G and

Optical Modules Market Size, Growth Trends & Forecast

Emerging innovations, including silicon photonics, integrated photonic chips, and coherent optics, are transforming the landscape of optical modules.

LightCounting :: Sales of optical transceivers exceeded

LightCounting releases Quarterly Market Update - September 2024 The Quarterly Market Update report includes data from LightCounting's survey of the leading

800G optical modules drive market recovery in Q2 2025

According to a market research report, global optical module sales are projected to grow by 10% month-on-month. This growth is primarily driven by increasing demand for 800G Ethernet modules. Another

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

LightCounting :: Sales of 800G transceivers will return the market to ...

June 12, 2025 LightCounting expects a 10% sequential growth in sales of optical transceivers in the current quarter, after a flat Q1. Most of the growth will come from sales of 800G Ethernet

Over 800G optical transceiver shipments to soar 2.6× by 2026

High-speed optical interconnects are now central to performance and scalability, especially as AI data centers grow into large clusters, according to TrendForce. The report predicts

Optical Module Industry Statistics 2026

Our in-depth market data report on Optical Module Industry. Explore verified statistics and the latest research.

Demand for Datacom Optical Modules Reaches Record

Spending on Datacom optical components was up more than 90% YoY as AI applications of 400GbE and 800GbE optical modules for AI

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

TrendForce's recent research indicates that high-speed optical interconnects are now central to performance and scalability, especially as AI

Canadian Solar shipments and revenues increase in Q2 2024

Solar manufacturing major Canadian Solar has posted increased revenues and profits in its Q2 2024 financial results, driven by an increase in PV module shipments that outweighed the

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

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

Additionally, Research C observed that Ethernet optical module sales surpassed \$3 billion USD in Q2 2024, representing a 30% year-over-year

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

Contact Us

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