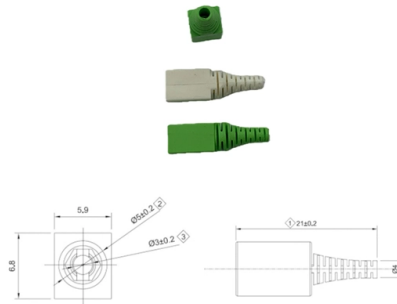


Optical module shipments fell short of expectations



Overview

Supply chain disruptions in 2022 caused a 15% delay in delivering high-speed optical modules to data center clients, primarily due to semiconductor shortages. 1 billion by 2025, with companies like Cisco and Huawei. The transition to 800G and 1. The bottleneck is no longer just fiber availability; it is the silicon inside the. Shipments of 800G optical modules soared significantly both year-over-year and month-over-month. The first half of 2025 will be impacted as well. Alphabet, Amazon, Meta, Microsoft and Oracle continued to spend significantly more in 2024 than in 2023, with their. Over 40 million high-speed modules shipped in 2025; Signal AI datacom forecasts revised sharply higher through 2030 Optical Hardware Market Reaches a Record \$16. 5 Billion for the Year Updated outlook lifts 2029 forecast over 40 percent Coherent pluggable performance is comparable to embedded.



Article Content

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

PV outlook 2024: Market to benefit from falling prices but competition ...

While module shipments increased, markets such as Europe and Brazil are hit by serious inventory pileups this year. Falling prices do benefit projects' IRR, but factors including labor

Press Releases

Purchases of optical and packet transport hardware dropped sharply in the fourth quarter as operators exhausted capex earlier in the year.

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,

Optical Module Industry Statistics 2026

Supply chain disruptions in 2022 caused a 15% delay in delivering high-speed optical modules to data center clients, primarily due to semiconductor shortages. Global R&D spending in

Signal AI: 400G and 800G Optical Module Shipments

The demand for high-speed datacom optical modules has surged, with shipments of 400G and 800G units exceeding 20 million in 2024, totaling over \$9

AI Deployment Accelerates 800GbE Optical Growth

BOSTON (April 22, 2024) – Datacom optical component revenue grew for the 4th straight quarter with the explosion of demand for optics used in AI clusters,

Both earnings report and guidance are strong but fall short of high ...

Lumentum, a major optical module supplier, reported revenue slightly below analyst consensus and, combined with a sharp rally in its share price this year, triggered profit-taking in after-hours trading.

Both earnings report and guidance are strong but fall short of high ...

He also stated that as the two core growth engines—Co-packaged Optics (CPO) and Optical Circuit Switches (OCS)—gradually ramp up, the company's profitability will be further enhanced. Although

Global logistics for optics: 2026 Lead times & Risks

Discover how 2026 global logistics for optics and DSP lead times impact 800G data center deployments. Learn to troubleshoot PAM4, FEC, and CMIS failures.

Smartphone camera module shipments will decrease by 8.9

Amidst a global slowdown in smartphone production and shifting brand strategies, smartphone camera module shipments are projected to dip by 8.9% year-over-year in 2023,

PwC_Semiconductor and Beyond_2026

As camera features become more advanced, consumer expectations for better photos are also rising. To meet this demand, smartphones now have multi-camera module setups - like triple or quad cameras

LightCounting :: Component shortages limit growth in

Demand for optical connectivity remains strong, but component shortages hobbled growth in sales of optical transceivers in Q4 2024. The first half of 2025 will be

Nvidia and Zhongji Innolight are entering the game! The high

As the demand for high-speed optical modules such as 800G and 1.6T from AI servers increases, there is a shortage of optical chips, which are important components of optical modules.

Datacom optical modules demand reaches record levels – Cignal AI

Datacom optical modules demand reaches record levels – Cignal AI Research firm Cignal AI reports that 400GbE and 800GbE optical module shipments for datacom and telecom applications

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

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

The report predicts that worldwide shipments of optical transceivers of 800G and higher will hit 24 million units in 2025, then jump by 2.6 times to nearly 63 million units in 2026. TrendForce

Optical Transceiver Market Report 2024-2029 [319

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

LightCounting :: Looking Beyond 2023

LightCounting updates Market Forecast for 2024-2028 Demand for optical connectivity started to decline in the second half of 2022 and this created excess

400G optical transceiver shipments to triple by 2025

AI servers rely heavily on optical transceivers to convert electrical signals into optical signals, transmit them via optical fiber, and then convert received optical signals back into electrical

Deep Dive: Optical Module Market

Powering next-gen connectivity: How optical modules enable fast, reliable data transfer, and What are the opportunities for investors?

GLOBAL OPTICAL MODULE MARKET REACHES

If the global situation can remain stable, the optical module market is expected to increase from \$8 billion in 2020 to \$14.5 billion in 2026. Meanwhile, the first

LightCounting :: February 2025 Component shortages

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

The Future of 800G Optical Modules: Market Forecast

The global demand for high-speed optical modules is accelerating, and 800G modules are at the forefront of this shift. This article explores the

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

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

Demand for Datacom Optical Modules Reaches Record

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

InnoLight: Large-Scale Deployment of 800G Optical Modules in 2025

Although shipments of 1.6T optical modules fell short of expectations, it is projected that they will gradually increase in the second to third quarters, with shipments already underway.

Optical Device Industry Under the Shadow of Trade War

The most discussed topic in the industry recently is undoubtedly the impact of the trade war and its tariff policies on the rapid growth of shipments of

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