

# **Actual Shipments of Optical Modules in 2026**





## Overview

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By 2026, the shipment volume of 800G optical modules is expected to exceed 40 million units, with demand showing a pattern dominated by North America and followed by China. Coupled with the explosive demand for AI inference and the expansion of emerging application scenarios, the high prosperity of the optical module industry will continue in 2026. Procurement teams relying on outdated 12-week forecasting models are hitting a wall. Spot-buying mixed batches introduces PAM4 firmware mismatches, causing uncorrectable FEC errors and RDMA latency spikes exceeding 50ms under. 10GBASE-T optical modules (copper-based) are projected to dominate Ethernet networks until 2026, with a 35% market share, due to their cost-effectiveness. This brochure summarizes our coverage of AI Clusters, Data Centers and Optical Networks with in-depth analysis of the market for optical transceivers, including the optical and integrated circuits (IC) used in these modules.



## Actual Shipments of Optical Modules in 2026

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### **InP is the real chokepoint behind every 1.6T optical module shipping**

TrendForce has 800G+ optical transceiver shipments going from roughly 24M in 2025 to 63M in 2026 (2.6x), with the AI optical transceiver market expanding from \$16.5B to \$26B. Win

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### **Over 20 Million 400G & 800G Datacom Optical Module**

Additional 3Q24 Optical Component Report Findings: The high-speed datacom optical market size is expected to expand from about \$9 billion in 2024

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### **800G+ Optics to Capture 60%+ Market Share by 2026**

Market and Supply Chain Implications Through 2026 The move to 800G+ optics will reshape market shares and supply chains as demand focuses on higher-speed modules and the

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### **Analysis and Forecast of the Optical Module Market in 2026**

By 2026, the shipment volume of 800G optical modules is expected to exceed 40 million units, with demand showing a pattern dominated by North America and followed by China.



### Google's High-Speed Interconnect Architecture to Push

TrendForce estimates that the global shipment share of 800G and above optical transceiver modules will climb from 19.5% in 2024 to over 60% by

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### Optical Module Supply Chain Financial Data Tracking - Issue 1, May 2026

Optical Module Supply Chain Financial Data Tracking - Issue 1, May 2026 This week covers the disclosure window from late April to early May. Core signals indicate that leading

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### 800G coherent pluggable shipments to exceed \$1B

800G coherent pluggable shipments to exceed \$1B revenue in 2026 - Signal AI Hyperscalers, led by Meta, are adopting 800ZR+ modules to

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### **POET Technologies Receives \$5 Million Production Order for 800G Optical**

Leading systems integrator to receive shipments of POET Infinity(TM) optical engines for AI data servers SAN JOSE, CA (October 22, 2025) - POET Technologies Inc. ("POET" or the

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### **Lumentum Aims \$2B Quarter as AI Optics, 1.6T Transceivers Surge**

AI infrastructure demand supports multi-year growth in optical components like EML lasers and InP capacity. EML laser output up eightfold since FY2023, with further capacity expansion

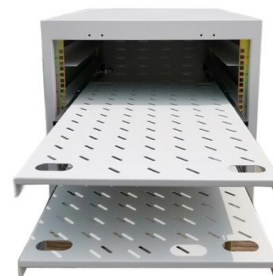
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### **Global logistics for optics: 2026 Lead times & Risks**

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

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### **Where co-packaged optics (CPO) technology stands in**

Co-packaged optics (CPO) technology, a key enabler for next-generation data center architectures, promises unprecedented bandwidth density

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## 1.6T optical transceivers enter volume shipments, set three-year

The buildout of AI data centers is pushing optical interconnects into a new upgrade cycle, with 1.6T optical transceivers set to enter large-scale shipments in 2026, marking a turning point

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## Optical Module Industry Statistics 2026

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

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## Datacom Optical Component Revenue Surpasses \$19B in 2025

Additional Details from the 4Q25 Optical Components Report: Quarterly datacom revenue was up 87% year-over-year. For the year, Innolight led datacom revenue with more than \$5 billion,

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## 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

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## Optical Transceiver Market Size & Share 2026-2035

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

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Rear of the optical fiber distribution box



## 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.

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## POET Technologies Receives \$5 Million Production Order for 800G Optical

The optical engines are expected to ship to the customer in the second half of 2026. "The sales order for our leading-edge 800G optical engines is another commercial achievement that validates POET's

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## Optical Module Market Analysis and Forecast in 2026

Shipments of 800G optical modules are projected to exceed 40 million units in 2026, with demand dominated by North America and by China.

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## High-speed optical interconnect shipments 2026, Statista

The number of optical transceivers of 800 Gigabits and higher shipped worldwide was forecast to increase by 2.6 times between 2025 and 2026.

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## POET Technologies Receives \$5M Order for 800G

POET (NASDAQ: POET) received a production order valued at over \$5 million for POET Infinity(TM) optical engines targeted at AI data servers.

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## Applied Optoelectronics (AAOI) Extends Record Revenue Run as AI

Applied Optoelectronics, Inc. (NASDAQ: AAOI) is trending after reporting first-quarter 2026 results that extended what its investor materials described as a five-quarter record-revenue

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## 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

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## Optical Component Revenue Reaches Nearly \$25B in

Datacom optical component revenue surpassed \$5 billion a quarter and will reach \$30 billion in 2029; a 21% five-year CAGR driven by hyperscaler AI

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## Optical Communication Industry Trends 2026: AI, 800G/1.6T Optical

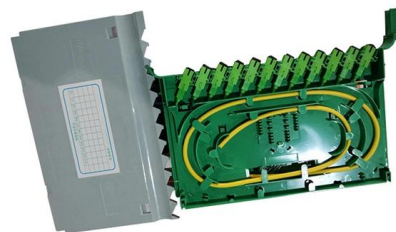
Explore optical communication industry trends in 2026, driven by AI infrastructure, 800G and 1.6T optical modules, silicon photonics, and next-generation data center connectivity solutions.

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## LightCounting Calendar

It analyses the impact of these projects on the demand for optical networking equipment, optical modules and components. It includes profiles of the leading Chinese Cloud companies and

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### Product Catalog



## Top Silicon Photonics Stocks 2026: Breaking the

The finished, shippable product is the transceiver module, a device that plugs into a server and converts electrical signals to optical and back again.

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For datasheets, pricing, or custom fiber access solutions, please visit:  
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