

Actual Orders from Optical Module Companies



Summary of Content

Actual orders for optical modules in 2025 are constrained by GPU deployment, power infrastructure, and EML chip shortages, with high-speed modules (400G/800G/1.6T) dominating demand.

Market Overview and Order Drivers

The optical module market is experiencing strong growth driven by AI data centers, cloud computing, and 5G rollouts. High-speed modules, particularly 400G, 800G, and 1.6T, are the primary growth engines, reflecting the increasing bandwidth requirements of dense GPU clusters and hyperscale data centers . 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 market size .

Actual Shipments and Constraints

While rumors suggest 45 million 800G units and 20–30 million 1.6T units, actual shipments are limited by GPU deployment and power infrastructure, as a single 3000W GPU requires \$12,000 in supporting power facilities . Additionally, EML chip shortages restrict global 8-channel module capacity to 28 million units, creating a key bottleneck for high-speed module orders .

Leading Suppliers and Regional Dynamics

- Innolight and Eoptolink dominate high-speed Ethernet transceivers, with Innolight reporting \$3.3 billion revenue and Eoptolink \$1.2 billion in 2024 .

Article Content

SCHMID Group Records More than €26 Million Order Intake since

The orders, secured from several customers, cover InfinityLine Production Equipment for High-Density Interconnect Multilayer (HDI

Feast for Optical Module Enterprises: 3.2T Optical Engine Layout ...

Currently, only a handful of companies like Google have deployed OCS on a small scale. The industrial chain is

Nvidia places additional orders for optical modules: Top 10 core ...

In this issue, we have sorted out the hot events of NVIDIA's additional orders, and based on business relevance and

SCHMID Group Records More Than €26 Million Order Intake Since

The orders demonstrate that the market pipeline for advanced PCB technologies is not only building, but converting

Nvidia Orders Surge: InnoLight and Eoptolink Dominate 60% of 800G

It is foreseeable that with the follow-up orders from Nvidia and AMD's AI servers gradually coming to fruition, the

Optical Module Industry Statistics 2026

Our in-depth market data report on optical module industry. Explore verified statistics and the latest research.

SCHMID Group Secures Over EUR 26 Million in New

SCHMID Group announces more than EUR 26 million in new order intake since mid-May, driven by customer

Chinese Optical Modules Own 7 of the Top 10 Seats. So Why Are

Seven of the global top 10 optical module suppliers in 2024 were Chinese companies (including Source Photonics,

The latest order guidelines for optical module companies ...

It has been counted that 90% of the problems of all bad optical modules occur in the laser-optical chip, that is, the

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The recent order intake confirms that the market is moving from technology evaluation and qualification into capacity

Contact Us

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