

Will optical module prices continue to fall



Article Overview

Optical module prices have fallen sharply, particularly in the 400G segment, driven by intensified competition, manufacturing efficiencies, and rising adoption in AI and cloud data centers.

Market Overview

The global optical module market is experiencing strong growth in demand due to AI workloads, cloud computing, and high-speed data center interconnects, with the market projected to expand from USD 14.2 billion in 2025 to USD 38.94 billion by 2032 at a CAGR of 15.5% . Despite this growth, average selling prices have dropped, especially in the 400G segment, where over 20 manufacturers entered the market in 2023, causing a 12% price decline .

Drivers of Price Decline

- **Intensified Competition:** Chinese optical module vendors have leveraged local supply chains and cost advantages to capture top-tier positions globally, increasing supply and driving prices down .
- **Technological Advancements:** Adoption of silicon photonics, co-packaged optics, and high-density packaging (QSFP-DD, OSFP) has improved manufacturing efficiency, reducing per-unit costs .
- **High-Speed Demand:** The shift to 400G, 800G, and 1.6T modules for AI clusters and hyperscale data centers has increased production scale, which lowers unit costs while meeting bandwidth requirements .
- **Supply Chain Optimization:** Vendors are increasingly localizing production and integrating vertically, which reduces logistics and component costs, despite global r...

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Optical Module Industry Statistics 2026

The optical module industry is facing increasing pressure to reduce its carbon footprint, with 40% of manufacturers

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Explore the latest semiconductor industry news, including Nvidia and SK hynix's AI memory partnership, DRAM and

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Global module prices are near the bottom, Chinese PV giants say -

Global module prices are unlikely to fall much further and could begin to stabilise, the chairmen of Trina Solar and

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World stuck in major solar panel "supply glut"; module prices plummet ...

Nevertheless, the ongoing oversupply led to module spot prices dropping roughly 50% between January and December 2023, the

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Fiber Cable Prices Rise as AI Buildouts Tighten Supply

On June 1, 2026, the latest movement in the fiber and cable market signaled more than a routine price adjustment: it

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Solar module price falling, with no end in sight

Solar module prices have never fallen so sharply in such a short period of time. One reason for this is the "PV module

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Optical Module Industry Statistics (2026): Expert Analysis

Optical module demand is reshaping faster than most forecasts, with 2026 growth pointing

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Active Optical Module Market Research Report 2034

Active Optical Module market valued at \$10.7 billion in 2025, projected to reach \$35.6 billion by 2034 at 14.2% CAGR, driven by data

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Solar Module Price Forecast 2026-2028: Polysilicon, Tariffs

Solar Module Price Forecast 2026-2028: Polysilicon, Tariffs & Regional Price Gaps
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Solar module prices on a clear downward trend PV module prices have fallen by around 5% to 8% across all

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Solar module prices on a clear downward trend

PV module prices have fallen by around 5% to 8% across all technology classes in recent weeks. says Martin

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Reasons for the Collapse of Optical Modules: Top Institutions Report ...

On June 10, independent research institution SemiAnalysis, focused on semiconductors, AI infrastructure, and data

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Lumentum, Coherent shares fall as AI hardware trades hit wall

Lumentum fell roughly 8% and Coherent dropped approximately 9% on June 23-24, 2026, part of a broader rout

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Solar Module Prices 2025: Complete Guide To Current Costs & Trends

Solar module prices in 2025 have stabilized after years of dramatic fluctuations, with global wholesale prices ranging

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Will the optical module continue to rise or come to a halt?

The bank stated that the share prices of leading optical module companies have seen significant gains over the past

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Optical Modules Market Size, Growth Trends & Forecast

The Optical Modules Market encompasses the design, manufacturing, and deployment of compact, high-performance

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AI Boom Strains Supply of Lasers, Fiber Optics and Photonics

Companies that provide optical components—such as laser diode makers, fiber cable producers, and photonics

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LightCounting :: Component shortages limit growth in transceiver sales

We expect to see a similar trend for growth in revenues of Innolight, but other transceiver vendors may continue to report double-digit

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Optical Stocks' Sell-Off Wasn't Foolish-But the Rebound Case Is

- The optical module sell-off reflects a timing correction after a 60%+ rally, not a flawed thesis, as demand remains

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Global Demand for Optical Module Chips Surges | Weyland

In summary: □□ Optical module chips are no longer just communication components—they are becoming critical enablers

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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,

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Solar module prices on a clear downward trend

Prices have begun to fall after a brief stabilization phase – declining by around 5% to 8% across all technology classes

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Where is module pricing headed in the next two years?

When will module prices start coming down? Everyone is asking this today; it was the most asked question in the

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PV Module Price Trend 2026: Upward Shifts & Outlook

Explore the 2026 PV module price trend: rising costs due to policy changes, raw material spikes, and TOPCon

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Solar modules

Discover how solar module prices keep decreasing, defying expectations of stabilization, as both standard and

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Optical Module Package Market 2025

However, price sensitivity in developing markets often delays the adoption of premium optical solutions, and trade restrictions

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Optics Valuation Reckoning? Applied Optoelectronics, Coherent,

The Optics Sector Faces a Valuation Reckoning: What Investors Need to Know This article delves into the recent

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Falling Wafer Prices, Pessimistic Q4 Module Demand Outlook

Based on a comprehensive assessment of various current market factors, PV module prices are expected to remain

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Optical module "Yi Zhongtian" has fallen! Demand relies on ...

The share prices of three closely watched optical module concept stocks, including Yi Zhongtian, have recently fluctuated

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Optical module "Yi Zhongtian" has fallen! Demand relies on AI, but ...

Furthermore, the "binding ratio" between optical modules and GPUs is increasing, based on the amount of optical

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Five Key Factors Behind the Recent Fall in PV Module Prices

The photovoltaic (PV) module market has recently experienced a significant drop in prices. This trend can be

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