

## Optical module prices have dropped significantly



### Overview

Average selling prices for 100G optical modules have declined approximately 70% over the past five years, forcing chip vendors to achieve aggressive cost reductions while maintaining performance. Optical Module Chip Market size was valued at US\$ 823 million in 2024 and is projected to reach US\$ 1.52 billion by 2032, at a CAGR of 8.8% — a 755% YoY jump, the highest single-quarter profit in South Korean corporate history. It exceeded Samsung's entire 2025 full-year result. The number that matters most for supply chain teams: NAND. Vendor proliferation, rapid technology advancement, and shifting demand make for an uncertain pricing environment. This paper is designed to help you decipher price trends, evaluate. Tempestuous trade conditions and policy uncertainty have led to module price fragmentation in the United States. Ahead of an expected reduction in manufacturing capacity utilization, leading manufacturers in China produced a high volume of cells in the spring. tariff policies introduce trade-cost volatility and. Optical module demand is being pulled in two directions at once, faster bandwidth for dense networks and tighter constraints on power, security, and lead times.

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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 infrastructure investment.



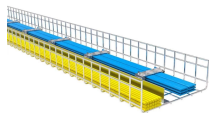
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In terms of pricing, 800G LPO modules have been sold at around \$600 this year, which is cheaper than single-mode conventional optical modules priced above \$700 but more expensive ...



Our research indicates that demand for 400G/800G and even 1.6T optical modules for cloud data centers and AI training clusters has been accelerating over the past two years, with the ...



Import and export semiconductor prices fell sharply in 2023, outpacing a slight drop in producer prices. Import and export prices held steady in 2024, while producer prices grew.



In 2022, the average selling price (ASP) of 400G optical modules decreased by 15% compared to 2021, due to increased competition and technological advancements.



Shifts in pricing for optical modules will continue to be the result of technology advancements and changing market needs. The shift to higher-speed technologies (e.g., 100G or ...



As shown in Figure 1, the international spot prices of PV modules have continued to decrease. The average spot price of PV modules worldwide in 2023 is 12 cents/W, a significant drop ...



Late March, spot memory prices dropped after Google published research on CXL memory pooling and KV cache compression. The market read "AI memory demand will fall."

## Contact Us

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