

Preview

Subscribers to the Optical Components Report can download an Excel file with actual results through 1Q24 and detailed, up-to-date forecasts. The full 49-page report is available for download in PDF format. Also, a live presentation is available to clients, offering an opportunity to hear details on. A detailed quantitative analysis of the global market for optoelectronic components, including visible LEDs, optical and non-optical isolators, infrared, optical switches, LED displays, and ultraviolet LEDs. Although the automotive market outlook remains positive, LED companies should be mindful of. oAI infrastructure race fueled a Capex surge in 2024 to approximately \$200bn o2025 Capex Projection to near \$350bn and 2030 Capex projection to near \$545bn oCapex funding facilities expansion, xPU acquisition oExpectations of continued growth through 2030 with generative AI adoption both at the. A new Cignal AI report revealed that 400 and 800GbE module shipments rose over 25% quarter over quarter. As hyperscalers ramp up build outs, the appetite for bandwidth continues to rise. According to Cignal AI's 1Q24 Optical Components Report, hyperscale network operator demand drove purchases of. 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.

1Q24 Optical Component Report Datacom revenue and shipments of 400GbE & 800GbE modules hit new records as Telecom struggles to recover.

The global market for Optical Modules was valued at US\$ 17590 million in the year 2024 and is projected to reach a revised size of US\$ 56786 million by 2031, growing at a CAGR of 15.8%

This report offers a comprehensive quantitative analysis of the global market for optoelectronic components, covering LEDs, optocouplers, digital isolators, wireless infrared components, optical

Optical Modules Market Overview Optical Modules Market Revenue was valued at USD 3.5 billion in 2024 and is estimated to reach USD 8.2 billion

The optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, growing at a CAGR of 11.5%.

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

This SPIE global industry report, now in its tenth year, provides an in-depth assessment of the global manufacturing base that produces these core components.



Optical Module Q1 2024 Report

Key focus areas of the report include: Market Size & Forecast: Historical data and future projections for revenue, unit shipments, and market value across major regions and segments. The Global Optical

? TORONTO, Ontario, March 31, 2026 - POET Technologies Inc. ("POET" or the "Company") (NASDAQ: POET), the designer and developer of Photonic Integrated Circuits (PICs),

BOSTON (January 7, 2026) - AI-driven datacenter and transport builds will push the optical components market revenue to a record high in 2025, with datacom

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 8.0%

The business consulting firm Grand View Research offers action-ready market research reports, custom market analysis and consulting services.

Well over three million high-speed datacom modules were shipped this quarter in support of AI cluster interconnect and traditional computing

According to Cignal AI's 1Q24 Optical Components Report, hyperscale network operator demand drove purchases of 400GbE and 800GbE datacom and 400ZR

The Optical Module Market, valued at USD 30.01B in 2026, is projected to reach USD 66.94B by 2032, growing at a 14.1% CAGR.

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