# Indzawo Optic Connect

# Domestic optical interface module production



## Overview

Domestically produced optical modules have achieved a step-by-step breakthrough from low-speed to high-speed. Currently, the localization rate of 2. 5G/10G low-speed optical chips has reached 90% and 60% respectively, while technological breakthroughs in the high-speed field are. Various regions are promoting collaborative research and development of high-end optical chips between industry, academia, and research institutions. The domestic industrial chain is gradually addressing its shortcomings, with the localization rate of medium- and low-speed optical chips below 10G. Data centers will keep dominating optical module demand as AI and cloud drive revenue growth through 2030. With global R&D projected to. The optical module and data center interconnect (DCI) market is experiencing significant expansion, driven by the escalating demand for high-bandwidth connectivity, cloud computing, 5G networks, and data-intensive applications. The market, projected to reach $14. 4 billion by 2034, expanding at a compound annual growth rate (CAGR) of 11.

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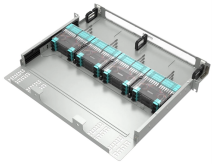
## Domestic optical interface module production



The mass production of 100G optical module chips in China represents a major milestone in domestic optical communication technology. It strengthens the upstream and midstream ...



Expansion of optical transceiver module production capabilities Development of a new 210,000-square-foot facility near the company''s Sugar Land headquarters Strengthened domestic ...



Europe''s optical production slipped below 8% of global share by 2024, prompting the European Commission to propose a Photonics Chips Act aimed at revitalizing domestic capacity.



In switch network scenarios, the focus of chip-to-chip optical interconnects is on Co-Packaged Optics (CPO) technology, aiming to replace pluggable optical modules.



The optical module and DCI market is booming, projected to reach $40 billion by 2033, driven by cloud computing, 5G, and data-intensive applications. Learn about market trends, key ...

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The 5G infrastructure deployment contributed 22% to the optical module market growth in 2022, with an increasing demand for small-cell and macro-cell base station modules. China accounts ...



China dominates production, with key players like Huawei and Accelink supplying cost-competitive SFP and QSFP28 modules for domestic and export markets. Japan and South Korea focus on advanced ...



The Chinese government''s push for technological self-sufficiency has catalyzed the rise of domestic optical module manufacturers such as InnoLight Technology, Accelink Technologies, and Eoptolink ...



Driven by the explosive growth of AI computing power and the large-scale application of 5G, optical modules, as a core component of communication infrastructure, are entering a critical ...



Spurred by the AI computing boom and large-scale 5G deployment, optical modules, the critical backbone of communication infrastructure, are undergoing a significant shift towards domestic ...

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