

Trademarks of Domestic Optical Modules



Overview

China optical module stocks are companies making the high-speed optical transceivers that connect GPUs in AI data centers.

Key Takeaways

Key domestic optical module trademarks in China include ETU-Link, Weyland, and other emerging brands, reflecting significant localization in high-speed optical communication technologies. Leading Domestic Brands

ETU-Link Technology Co., Ltd. is a prominent domestic manufacturer with over a decade of experience in optical modules. Its product portfolio includes high-speed modules such as the 100G QSFP28 ZR4 80KM, which uses four-channel 28G NRZ wavelength division multiplexing technology, achieving performance comparable to international top-tier modules while maintaining low power consumption (under 5.5W) and high delivery reliability . Weyland focuses on optical module chips, including laser chips (DFB and EML), detector chips (PIN and APD), driver chips, TIA chips, and DSP chips. Domestic companies have achieved mass production of 25G, 50G, and some 100G-level chips, with ongoing development toward higher-speed products and silicon photonics integration . Other domestic trademarks are emerging through collaborations between research institutions and private companies, particularly in silicon photonics, which integrates optical devices with CMOS processes to reduce costs and improve integration levels .

Market Position and Technological Edge



Domestic manufacturers have made significant strides in core chip localization, achieving over 50% self-sufficiency for 25G+ laser chips. High-end DSP chips remain partially dependent on imports, but intensive R&D is closing this gap . Chinese companies now hold approximately 40% of the global market for advanced modules like 800G, with products such as 25G SFP28 BIDI recognized as domestically leading solutions for 5G fronthaul networks .

Summary

Domestic optical module trademarks are defined by technological innovation, high-speed performance, and supply chain resilience. Key players like ETU-Link and Weyland exemplify the trend toward localization, offering competitive alternatives to international brands while supporting national policies for domestic production and industrial self-sufficiency . These trademarks are increasingly recognized for their reliability, cost-effectiveness, and advanced design, positioning them as leaders in the domestic optical communication market.

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Recently, LightCounting, a market research institution in the optical communication industry, released the latest version

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Global Optical Module Suppliers TOP10 Ranking Changes

Overall, the market share and ranking of Chinese optical module suppliers has gradually increased over the past few

Domestically produced optical module chips | Weyland

I. Overall Status of Domestic Optical Module Chips “Localization of optical module chips” refers to China's capability

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This technology is widely considered a key direction for future high-speed optical modules. As a result, several

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From optical modules to chips: China's tech supply chains sustain ...

Chinese firms claim seven spots among the world's top 10 optical module vendors, with their combined market share

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