

Which companies in Huawei manufacture optical modules

Article Overview

Huawei manufactures its own optical modules in-house, while the broader optical module industry includes companies like Innolight, Eoptolink, Huagong Tech, Linktel, and Accelink.

Huawei as a Manufacturer

Huawei Technologies Co., Ltd., headquartered in Shenzhen, China, produces its own optical modules, including SFP, SFP+, QSFP+, QSFP28, and BIDI modules for fiber-optic communication systems . These modules are designed for carrier networks, enterprise environments, and cloud infrastructure, and Huawei integrates proprietary technologies such as co-packaged optics (CPO) and silicon photonics-based modules to enhance performance, reduce power consumption, and improve integration with switches and routers . Huawei also develops its own optical chips, including lasers, modulators, and photodetectors, which are core components of these modules .

Other Major Optical Module Manufacturers

While Huawei produces modules in-house, the optical module industry includes several other key manufacturers that supply high-speed optical modules globally. These companies may provide modules for data centers, telecom networks, and cloud infrastructure, and some may collaborate with or compete against Huawei:

- o Innolight (Zhongji Innolight Co., Ltd.) - Specializes in high-end optical communication modules, including 100G, 200G, 400G, and 800G modules for cloud data centers and telecom networks .
- o Eoptolink - Provides optical transceivers and modules for telecom and data communication applications .
- o Huagong Tech - Engaged in optical module manufacturing and related optical components .
- o Linktel - Supplies optical modules and transceivers for networking and data center applications .
- o Accelink - Offers a range of optical communication modules and solutions for telecom and enterprise networks .
- o CIG Shanghai Co., Ltd. - Focuses on optical modules and devices for high-speed communication .

Supply Chain Context

The optical module supply chain also involves upstream suppliers of optical chips, PCBs, and optical components, such as TFC, T&S Communications, Advanced Fiber Resources, Borui Technology, and Optowide Technologies . Huawei's vertical integration strategy allows it to control both chip and module production, enhancing performance, reliability, and supply chain security . In summary, Huawei is a direct manufacturer of its optical modules, while the global optical module market includes other major

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manufacturers like Innolight, Eoptolink, Huagong Tech, Linktel, and Accelink, which produce modules for various telecom and data center applications .

At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver

Huawei Enterprise provides a broad range of innovative ICT infrastructure products and solutions for vertical industry and enterprise

Proceeds from the financing will primarily support next-generation InP optical chip R&D, expansion of the company's

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra

On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the

Optical module is an optoelectronic device that performs optical-to-electrical and electro-optical conversion. The transmit end of.

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios,

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models

GP-Fiber Optics GmbH is one of the leading companies in the assembly and manufacturing of fiber optic products. Our product

To address these challenges, Huawei's StarryLink optical modules deliver a high-quality network experience with

Huawei's intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all

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Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all

The transmit power of a long-distance optical module is often larger than its overload power. Therefore, when using such optical

Pluggable Modules Specifications Appendix Understanding Optical Modules Optical Module Appearance and Structure Types of

Are you curious about which optical module manufacturers stand out in today's competitive market? Understanding the top factories

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