What are Huawei s optical module OEM manufacturers



Overview

Is Huawei a manufacturer of optical chips or optical modules?

By integrating chip-level innovation with module-level manufacturing, Huawei competes effectiv.

Key Takeaways

Huawei's optical modules are primarily supplied by a mix of Chinese and international manufacturers, with key partners including Innolight, Accelink, Hisense Broadband, Eoptolink, and Coherent.

Key Suppliers

Huawei relies on several major optical module manufacturers, both domestic and international, to produce its optical transceivers and coherent DWDM modules: Innolight: A leading Chinese optical module manufacturer, often ranked first globally, providing high-performance modules compatible with Huawei equipment. Accelink: Supplies a range of optical transceivers and has been a consistent player in the Chinese market. Hisense Broadband: Another Chinese vendor producing modules for Huawei and other networking equipment providers.

Eoptolink: Specializes in optical transceivers and has been integrated into Huawei's supply chain for various module types.

H

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

G Genuine (Huagong Zhengyuan): Provides optical components and modules, contributing to Huawei's domestic sourcing. Source Photonics: Although partially foreign-owned, it has Chinese equity participation and supplies modules compatible with Huawei systems. Coherent (Finisar): An international supplier, particularly for high-end coherent DWDM modules, which Huawei uses in advanced networking solutions.

Market Context

Huawei itself is ranked among the top global optical module suppliers, often listed third in recent 2023 rankings, reflecting its significant role in both manufacturing and system integration. The company also develops modules in-house through its HiSilicon division, particularly for high-speed coherent DWDM applications. The global optical module market has shifted heavily toward Chinese manufacturers, with seven Chinese companies occupying the top 10 positions in 2023, including Huawei, which ensures a robust domestic supply chain amid international trade restrictions.

SummaryHuawei's optical modules are sourced from a combination of domestic Chinese manufacturers (Innolight, Accelink, Hisense Broadband, Eoptolink, HG Genuine, Source Photonics) and international suppliers (Coherent/Finisar). This diversified supply chain supports Huawei's production of SFP, SFP+, BIDI, and coherent DWDM modules, ensuring resilience and high performance in global optical networking deployments.

Article Content

Is Huawei a manufacturer of optical chips or optical modules?

By integrating chip-level innovation with module-level manufacturing, Huawei competes effectively with other global optical module vendors, including Finisar/II-VI, Hisense, and domestic

Huawei Campus Optical Module Portfolio

Optical module is an optoelectronic device that performs optical-to-electrical and electro-optical conversion. The transmit end of. electrical signal. Optical modules are classified by encapsulation

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

10 companies in the optical transceiver industry chain 2024

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

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

Huawei Supplier List: Verified Global Partners for Smartphones ...

Discover 3700+ certified Huawei suppliers offering smartphones, tablets, and networking equipment. Need reliable partners? Click to access the complete verified supplier directory now!

HISILICON Optical Module R&D and Manufacturing Entity

HISILICON optical module R & D and manufacturing entities are mainly Huawei Wuhan Research Institute and HISILICON Optoelectronics Co. registered in Wuhan East Lake Hi-tech Zone.

huawei-optical-module-supplier-list

We are manufacturers of halogen-free power cables, splice boxes, and power distribution units (with and without intelligent control) for data centers based in Essen.

LightCounting :: The TOP10 Transceiver Suppliers for 2024

Companies that lack the focus of a specialist or the scale and reach of a generalist tend to struggle. Accelink (another example of a generalist), Hisense and HGGenuine benefited from the growth in

Top Optical Transceiver Manufacturers List (2024)

Explore the top optical transceiver manufacturers and their market share. Stay informed about revenue figures and the latest developments in the industry.

The latest ranking of the TOP10 global optical module suppliers ...

Last year, LightCounting changed the statistical rule of excluding optical modules manufactured by equipment suppliers from the analysis, so equipment manufacturers such as

Why 1.6T Optical Transceivers Overtake 800G in 2026

As an IT Solution provider with 8+ years in enterprise hardware distribution, WECENT sources SiPh-based 1.6T modules from Coherent and Innolight—top

Asia Pacific Smartphone Camera Module Market Size and Share

Sunny Optical Technology (Group) Co., Ltd. (China) Sunny Optical, headquartered in Yuyao, is China''s leading optics and camera module manufacturer serving Huawei, Xiaomi, Oppo,

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

NSComm modules are engineered with optimized heat sinks that maintain a stable 45-55°C range even in high-density [Huawei CloudEngine]

Is Huawei a manufacturer of optical chips or optical modules?

6. Conclusion Huawei is both a producer of optical modules and a developer of optical chips, but its public identity is stronger in optical modules, as these are the end products deployed

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

What Is StarryLink Optical Module? Why Do We Need It?

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra-long-distance transmission, exceptional reliability, and enhanced security,

Global Optical Module Suppliers TOP10 Ranking Changes

Looking at the recently released 2023 Global Optical Module TOP10 list, Chinese companies even occupy seven seats, with Xutron Technology ranking first for the first time and

Epon Gpon Olt Huawei Olt Zte Olt FTTH Olt Manufacturer, ONU Ont

Epon Gpon Olt Huawei Olt Zte Olt FTTH Olt Supplier, ONU Ont Gpon ONU Gpon Ont Zte Huawei ONU Ont, SFP Modules Transceiver Module Qsfp Qsfp28 SFP Manufacturers/ Suppliers - Shenzhen Hs

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Contact Us

Continue your research online:

Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved