

# Is the OEM optical module from Huawei



## Article Overview

Yes, Huawei manufactures its own OEM optical modules, including proprietary StarryLink modules, through in-house R&D and production.

Huawei is a full-scale manufacturer of optical modules, producing devices that convert electrical signals into optical signals for fiber-optic transmission. These modules are designed for high-speed, reliable, and scalable connectivity in data centers, carrier networks, and enterprise environments, supporting interfaces from GE to 800GE . Huawei's optical modules, such as the StarryLink series, are developed through rigorous end-to-end R&D and quality control, ensuring long-term stability, ultra-long transmission, high reliability, and enhanced security . Huawei integrates both optical chip and module design, allowing vertical integration that improves performance, reduces power consumption, and enhances supply chain security . The company manufactures a wide range of pluggable optical modules, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD, all produced in-house in Shenzhen . These modules are compatible with various switches, routers, and network interface cards, providing flexible plug-and-play options for enterprise and carrier networks. In summary, Huawei's OEM optical modules are genuine Huawei products, designed and manufactured by Huawei itself, not outsourced to third-party vendors, ensuring quality, reliability, and compatibility across its networking equipment .



## Article Content

Optical Module: Typical Optical Module Troubleshooting Procedure

Optical Module: Typical Optical Module Troubleshooting Procedure Check the model of the faulty optical module. If it is not a Huawei

Huawei Optisches Modul Teilenummerndecoder – Offizielle

ZUSAMMENFASSUNG: Dieses Dokument bietet einen umfassenden technischen Überblick über den Huawei Optical Module Part

Optical Modules in Intelligent Computing Scenarios

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

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper

Optical Interface FAQ: Transceiver Compatibility Guidelines for

Q7: What is the optical module interoperability standard for different Huawei products? Broad interoperability between Huawei

Smarter and Greener Optical Modems

In 2020, Huawei integrated optical modems and routers into one product, and launched the Huawei OptiXstar smart optical modem

Understanding Optical Modules

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

Replacing an Optical Module

Optical modules are electrostatic-sensitive components; therefore, you must take ESD protection measures when replacing optical

01-10 OPTICAL MODULES

Classified by transmission rates Depending on transmission rates, optical modules are classified into 100GE, 40GE, 25GE, 10GE,

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei routers support optical modules of the

Replacing an Optical Module

Context Never look directly into an optical module or the ends of optical fibers. Optical modules and connected fibers emit laser

## Understanding Optical Modules

This document explains optical modules, their types, and applications, providing a comprehensive understanding of their functionality

## Types of Optical Modules

QSFP+ optical modules support MPO fiber connectors and are larger than SFP+ optical modules. Classified by physical layer

## Checking Whether the Optical Fiber and Optical Module Match

Procedure Check the optical module type. Generally, an optical module has a label attached, identifying the rate, center wavelength,

## What Is an Optical Module

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

## Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module

## Optical Modules in General-Purpose Computing Scenarios

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

## Contact Us

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