

Article Overview

Huawei optical modules typically range from \$30 to several hundred dollars per unit, depending on type, speed, and compatibility.

Price Overview

The cost of Huawei optical modules varies widely based on form factor, transmission speed, and distance capabilities. Standard SFP modules for short-range connections often start around \$30-\$50, while higher-speed modules such as 10G, 25G, 40G, or 100G can range from \$100 to \$500 or more per unit, especially for certified original Huawei products (). Ultra-high-speed modules for data centers or AI applications, such as 400GE or 800GE, are positioned as premium components and can cost significantly more ().

Factors Affecting Price

- o Module Type: SFP, SFP+, QSFP+, and other pluggable modules have different price points.
- o Transmission Distance: Modules designed for ultra-long distances or spanning multiple kilometers are more expensive.
- o Compatibility: Original Huawei modules are generally priced higher than third-party compatible alternatives, which can offer cost savings in large-scale deployments ().
- o Performance Specifications: Modules with enhanced reliability, security, and channel loss resistance, such as those used in AI or high-performance data centers, command premium pricing ().

Purchasing Options

- o Official Suppliers: Huawei's authorized distributors provide genuine modules with warranty and certification.
 - o Online Marketplaces: Platforms like Alibaba and specialized resellers offer both original and compatible modules, often with competitive pricing and worldwide shipping ().
 - o Cost Optimization: For large-scale deployments, organizations often evaluate compatible alternatives to reduce total deployment costs without compromising network stability ().
- In summary, Huawei optical module prices are highly variable, ranging from tens to several hundred dollars per unit, depending on speed, distance, and whether the module is original or compatible. Buyers should consider both technical requirements and cost-efficiency strategies when selecting modules.

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



Huawei Optical Module Price List Details

experience

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

Hi-Network supplies Cables and Huawei SFP optic transceivers modules for all series of Huawei routers, Huawei Switches, Huawei

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

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long

The OptiXstar product series extends optical connectivity to every home, enterprise, and campus, bringing families closer and

Check Huawei eSFP-GE-SX-MM850 product detail and price trend at itprice .

Huawei SFP-10G-LR 10G SFP+ 1310nm 10km single-mode LC module for enterprise and carrier networks. Check real-time Huawei

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A

Huawei Optical Module Price List Details

common optical module has a

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km single-mode SFP module for Huawei switches and routers.
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