How much does Huawei optical module cost



Overview

SFP Huawei Pricing and Compatible Cost OptimizationSFP Huawei pricing is determined by a combination of technical specifications, optical performance requi.

Key Takeaways

Huawei optical module prices vary widely depending on type, speed, and deployment scenario, ranging from tens to several thousand USD per module.

Price Overview

Huawei offers a broad range of optical modules for data centers, enterprise networks, and GPON/FTTH deployments. Prices depend on module type, interface, and transmission distance: SFP/SFP+ Modules: For example, the Huawei SFP-10G-LR (10G, 1310 nm, 10 km) is available from authorized distributors with competitive pricing, often lower than similar Cisco or Juniper modules, typically in the $50–$150 range per unit depending on quantity and supplier. QSFP/QSFP28 Modules: High-speed modules like 100GBase-SR4-MP or 400GBase-ZR QSFP-DD are used in data centers and SANs.

Prices for these modules can range from $500 to over $2,000 per module, depending on speed, distance, and DWDM capabilities. CFP/CFP2 Modules: Modules such as 200G CFP2-1546NM for long-distance links (up to 80 km) are typically priced in the $1,000–$3,000 range per unit.

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PON SF

P Modules: Huawei GPON, XG-PON, XGS-PON, and 50G-PON modules (Class B+, C+, C+ Pro, D) are optimized for FTTH networks. Prices vary by optical class and distance, generally $30–$150 per module, with combo SFP+ modules supporting multiple PON standards costing more.

Purchasing Options

Authorized Distributors: Websites like GenuineModules.com and router-switch.com offer genuine Huawei optical modules with worldwide shipping and manufacturer warranties, often providing real-time pricing and bulk discounts. Huawei Official Channels: Huawei's product pages list module specifications and compatible platforms, though direct pricing may require contacting sales representatives for quotes. Combination Packages: Some modules are sold as part of switch or OLT interface board packages, which can affect the per-module cost.

For example, CE8850-SAN switch packages include multiple 100G modules, power supplies, and fans, with pricing reflecting the full bundle.

Key Considerations

Module Type and Speed: Higher-speed modules (100G, 200G, 400G) are significantly more expensive than 10G or 25G modules. Transmission Distance: Long-range or DWDM modules cost more due to advanced optics. Compatibility: Ensure modules match Huawei switches, OLTs, or multi-vendor environments.

Bulk Orders: Purchasing in volume can reduce per-unit cost. For accurate, up-to-date pricing, it is recommended to contact authorized distributors or Huawei sales representatives, as prices fluctuate based on market demand, module type, and shipping region.

Article Content

SFP Huawei Pricing and Compatible Cost Optimization

SFP Huawei pricing is determined by a combination of technical specifications, optical performance requirements, and underlying supply chain conditions. In most procurement scenarios, price

Optical Modules in Intelligent Computing Scenarios

In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid

Optical Modules in General-Purpose Computing Scenarios

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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

Huawei OEGD01N01 1000BASE-T RJ45 SFP Optical Module

OEGD01N01, Huawei SFP Optical Module, 1000BASE-T/ RJ45/ 100m Brand: Huawei Model: OEGD01N01 List Price: $1,285.71 89% OFF

SFP-10G-LR, Huawei SFP+ Optical Transceiver, 10G, 1310nm, 10km

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

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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,

HUAWEI Transceiver

HUAWEI Transceiver Optical transmitter and receiver products of Gearlink optical transceiver manufacturer are trusted by customers with high compatibility, low power consumption, high quality,

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 types of interfaces.

WHAT IS AN OPTICAL MODULE AND ITS FAQS (V200)

An optical module works at the physical layer of the OSI model and is one of the core components in the fiber communication system. It mainly consists of optoelectronic devices (optical transmitter and

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 modules cannot ensure transmission reliability and may affect service

What Is an Optical Module and Its FAQs (V300)

Fundamentals of an Optical Module As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and

Huawei Unveils StarryLink Optical Modules That ...

At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience with "3S" quality (Spanning, Stable, Secure). This launch took place

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