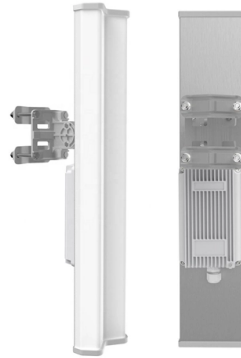


Huawei Optical Module Router



Summary of Content

Huawei optical modules are pluggable transceivers that enable high-speed fiber connectivity for routers and switches, supporting a range of speeds from GE to 800GE with various form factors and monitoring capabilities.

Types of Huawei Optical Modules

Huawei offers several types of optical modules to meet different network requirements :

- SFP (Small Form-Factor Pluggable): Supports LC fiber connectors, hot-swappable, suitable for 1 Gbit/s connections.
- SFP+: Enhanced SFP for higher rates, more sensitive to EMI, with tighter module cages.
- XFP: 10 Gbit/s modules, LC connectors, hot-swappable, larger than SFP+.
- QSFP+: Quad SFP modules, support MPO connectors, used for high-density 40 Gbit/s connections.
- eSFP: Enhanced SFP modules with monitoring for voltage, temperature, bias current, and optical power.

Configuring Optical Modules on Huawei Routers

Many Huawei routers feature Combo interfaces, which allow either an electrical or optical connection but not both simultaneously. To enable the optical interface on a Combo port, use the command:

```
interface GigabitEthernet0/0/0combo enable fiber
```

Article Content

Understanding Optical Modules

Important Notes About Using Optical Modules Certified for Huawei Routers

Understanding Optical Modules What Is an Optical

01-10 OPTICAL MODULES

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP,

Displaying Hardware Information on Huawei Routers

The inventory information such as serial number, product code,optical module,device, power,voltage,temperature,fan, CPU and

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

Huawei SFP-10G-LR is a carrier-grade SFP+ optical transceiver designed for 10G single-mode links up to 10 km. Operating at a 1310

HUAWEI Routers

Explore HUAWEI's latest routers. Learn about HUAWEI WiFi Mesh Series, HUAWEI WiFi BE/AX Series, HUAWEI CPE Series, and

Huawei PON SFP Modules | GPON XG-PON XGS-PON & 50G-PON

These modules support transmission distances up to 60 km, provide excellent optical budgets, and are optimized for

Optical Modules in General-Purpose Computing Scenarios

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

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

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

What Is an Optical Module

What Is an Optical Module On an optical network, a sender needs to convert electrical signals into optical signals

Contact Us

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