

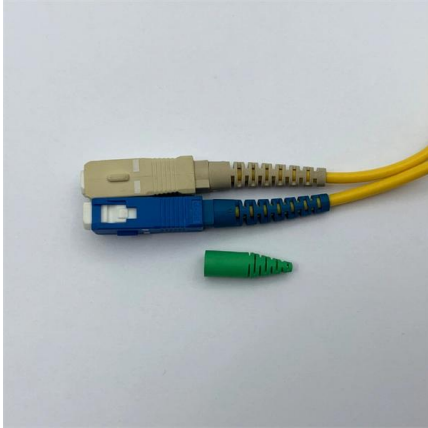
# **Huawei and Huijue optical module connection**





## Huawei and Huijue optical module connection

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### Understanding Pluggable Optical Modules

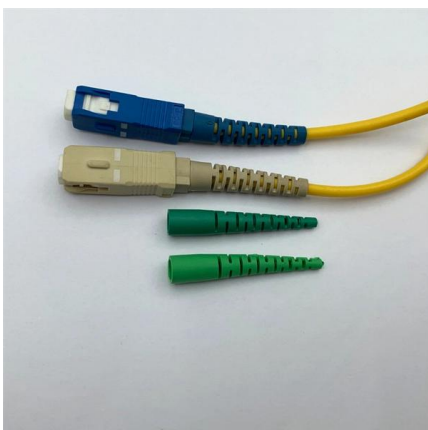
Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

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### Installing Optical Transceivers and Connecting Optical Fibers

This section describes how to install optical transceivers on the 10GE, 40GE, 100GE optical ports of the USG and connect them to the ports of the peer device using optical fibers according to the network

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### 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.

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### Huawei Optical Module Common Models

Huawei's main business scope is switching, transmission, wireless and data communication telecommunication products, providing network equipment, services and solutions in the field of

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### **Optical Module: Typical Optical Module Troubleshooting Procedure**

If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the display interface `GigabitEthernet x/x/x` command to

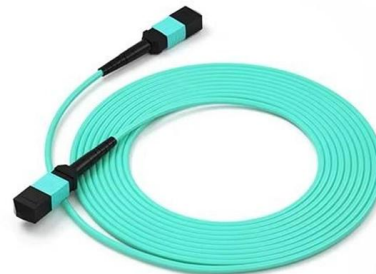
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### **Connecting Optical Modules and Optical Fibers**

Connect one end of the optical fiber to the optical module and the other end to the remote device. Connect the receive and transmit ends of the fiber connector according to the identifiers on receive

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### **Optical Module Solutions for Huawei S5700/S5720 Series Switches**

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

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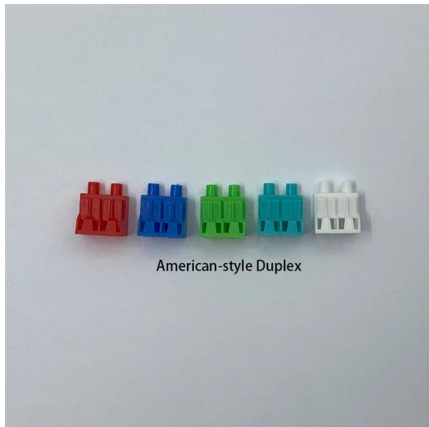




## Huawei Technical Support

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

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## 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 receiver needs to convert received optical signals into electrical signals.

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## How To Read Optical Module Information On Huawei Switches

The following uses the Moduletek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read information of the connected optical module on a Huawei switch.

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## Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode fibers because of modal dispersion, but their costs are also lower.

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## What Is an Optical Module and Its FAQs (V200)

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and vice versa. An optical module works at the physical



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### 01-10 OPTICAL MODULES

If an optical module is installed in a running device, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission distance, fiber

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### Installing an Optical Module

Install dust plugs on idle optical ports. If an optical module cannot be completely inserted into an optical port, turn the optical module over and try again. Before connecting the optical fiber to the optical



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### Assembling a Hybrid Cable 2.0

If the fiber splicing or cable crimping does not meet the requirements, you are advised to cut off the connection point between the main cable and the pigtail and then reconnect them. The connector of

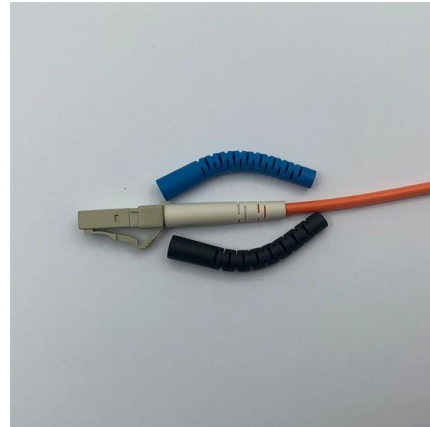
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## How To Switch Optical-Electrical Mode On Huawei

Take the Huawei AR5710S-S8T2X router as an example to understand how to switch the optical and electrical modes of the Combo interface of the Huawei

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## How To Read Optical Module Information On Huawei Switches

Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand its real

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## 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

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## Risks of Using Non-Huawei-Certified Switch Optical Modules

Some non-Huawei-certified switch optical modules are not designed in compliance with EMC standards and have low anti-interference capability. Additionally, they bring electromagnetic

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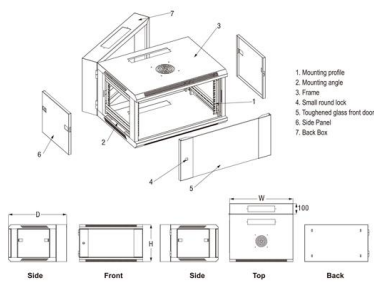
## What Is an Optical Module and Its FAQs



(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,

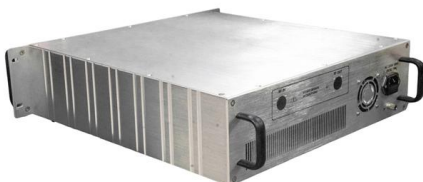
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### Rules for Optical Module Interoperation

Rules for Optical Module Interoperation Interoperation Rules Optical modules with the same standards can interoperate with each other. The standards define the rate, wavelength, and transmission

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### Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For details about the commands for querying port information, see the

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### Types of Optical Modules

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

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For datasheets, pricing, or custom fiber access solutions, please visit:  
<https://www.frindel.es>