How to insert the optical module on a Huawei X8 router



Overview

Pull the handle of the optical module and press the router panel with your thumb to remove the optical module.

Key Takeaways

To insert an optical module on a Huawei X8 router, ensure proper orientation, handle it carefully to avoid ESD damage, and push it gently into the port until it clicks.

Step-by-

Step Installation

Prepare for InstallationWear an ESD wrist strap or ESD gloves to prevent electrostatic discharge damage to the module. Ensure the router is powered on or off according to your network maintenance plan, but always follow safety guidelines.

Remove Dust Plugs

Remove the dust plug from the optical port on the router and keep it for future use. Keep the dust plug on the optical module until ready to insert.

Check Module Orientation

Identify the alignment key on the optical module (a small groove or ridge) and match it to the keyway in the router port. Ensure the module is correctly oriented; if it does not fit, turn it 180 degrees and try again.

© 2026 METRA FIBER MARKET - All rights reserved

Insert the Module

Gently push the module straight into the port until you hear or feel a click, indicating the latch has engaged. Do not rock, twist, or force the module, as this can damage the port or module.

Verify Installation

While keeping the handle closed, gently pull the module; if it does not come out, it is securely seated. If it pulls out, reinstall it carefully.

Connect Optical Fibers

Only after the module is fully seated, remove the dust caps from the module and fiber connectors. Clean the fiber connector end-faces using approved cleaners or lint-free wipes with isopropyl alcohol. Align the fiber connector key with the module slot and push straight in until it clicks.

Never look directly into an active fiber port to avoid eye damage.

Precautions

Use only Huawei-certified optical modules to ensure transmission reliability. Avoid touching the edge connector of the module during installation. Install dust plugs on idle ports to prevent contamination.

Following these steps ensures that the optical module is installed safely, maintains port integrity, and provides reliable network connectivity on your Huawei X8 router.

Article Content

Replacing an Optical Module

Pull the handle of the optical module and press the router panel with your thumb to remove the optical module. Insert a new optical module into the optical interface until the optical module is secured in

Installing an Optical Module

Install an optical module on a port before connecting optical fibers to the transceiver module. Install dust plugs on idle optical ports. If an optical module cannot be completely inserted into an optical port,

How to Install and Remove Optical Modules Safely

Install optical modules safely with ESD protection, proper handling, and dust control. Follow these steps to avoid damage and ensure network reliability.

How to Install or Remove SFP, SFP+, QSFP, and XFP Modules

© 2026 METRA FIBER MARKET - All rights reserved

Insert the module in the correct direction using the alignment guide – improper insertion may damage the port. Do not apply excessive force. If the module doesn''t slide in smoothly, it may

HUAWEI WDM Replacing the Optical Module (XFP/SFP/CFP)

HUAWEI WDM replacing the optical module video shows you how to replace an optical module. HUAWEI WDM Documentation:

Optical Transceiver Module Installation And Removal Guide

Optical modules are usually composed of very precise optical components and are very sensitive to the reception and emission of optical signals. Static electricity and optical port pollution

Installing an Optical Module

Wear an ESD wrist strap or ESD gloves. Ensure that the ESD wrist strap is grounded and in close contact with your wrist. Remove the dust plug from an optical port. Keep the dust plug for future use.

Connecting Optical Fibers and Ethernet Cables

Use an adjustable wrench (tip width ≥ 33 mm) to loosen the sealing cover of the optical fiber socket on the device, and insert the optical fiber connector into the socket.

Replacing an Optical or Electrical Module

Before removing or installing an optical or electrical module, ensure that no fiber jumpers are connected to the optical ports or no network cables are connected to the electrical ports on the module.

Checking that the Optical Modules Are Inserted Properly

The optical module or optical fiber is inserted properly when you hear a clack. After making sure that the optical module is inserted properly, check whether the fault persists.

10Gbps SFP+ Optical Module

Describes the chassis, power supply, fans, boards, optical modules, and power distribution box of the NetEngine 8000 M14K, M14, M8K, M8, M4, 8000E M14, M8.

Hilink Optics QSFP QSFPDD OSFP 10G SFP transceiver, Optical

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers,we will give the professional solutions to you.

Optical Module Working Principle | SFP Transceiver Technical Guide ...

© 2026 METRA FIBER MARKET - All rights reserved

Understanding the working principle of optical modules—especially SFP transceivers—is critical for network engineers, data center operators, and telecom professionals tasked with building

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

400G vs 800G Optical Modules: Differences, Use Cases, and

Compare optical modules for data centers and AI clusters. Learn key differences in standards, power, cabling, and use cases.

NYT Connections archive

Every NYT Connections puzzle ever published is listed here, organised by date, with all four category groups and their sixteen words. The NYT only offers the current day''s puzzle for free,

Network Cards, Adapters, and NICs Explained: Types

Learn what network cards, adapters, and NICs are. Understand wired vs wireless, PCIe vs USB, 1G–100G speeds, RJ-45 vs SFP+, installation

Guide to Fiber Network Cards: 10G/25G/100G NIC

Comprehensive guide to fiber NICs: SFP/SFP+/SFP28/QSFP28 speeds, SMF vs MMF, DAC vs AOC, PCIe compatibility, installation steps, troubleshooting, and

Contact Us

Continue your research online:

Website: https://metramarket.es
Technical inquiry: https://metramarket.es/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 METRA FIBER MARKET - All rights reserved