Replacing the optical module in an H3C switch

Article Overview

To replace an optical module in an H3C device, carefully remove the optical fibers, handle the module with ESD protection, and install a new module with matching optical parameters.

Preparation and Safety
o Power and Cables: While most H3C FRUs are hot-swappable, it is recommended to remove network cables connected to the module to prevent damage and ensure safety .
o ESD Protection: Wear an ESD wrist strap or gloves and ensure it is properly grounded to prevent electrostatic discharge damage .
o Workspace: Use an antistatic mat to place the removed module and any accessories .

Removing the Optical Module
o Unplug Optical Fibers: Carefully release the locking clips on the fiber connectors (LC/PC, MPO, SC/PC) and gently pull out the fibers. Avoid excessive force to prevent damage .
o Labeling: Record the location of each fiber and ensure labels are clear. Replace unclear labels to avoid misconnection .
o Dust Protection: Cover the disconnected fibers and the module bores with dust caps to prevent contamination .
o Module Removal: Depending on the module type, release the latch or tab (clasp latch or tab latch) and gently pull the module out of the port .

Installing the New Optical Module
o Check Compatibility: Ensure the new module has the same optical parameters as the remote module it will connect to .
o Orientation and Insertion: Align the module correctly and gently push it into the optical port until it clicks into place .
o Reconnect Fibers: Remove dust caps from the fibers and insert them into the new module, ensuring proper alignment and secure locking .
o Testing: If the module does not function, unplug the fibers, clean the connectors with an alcohol swab in one direction, and reconnect. Contact support if issues persist .

Additional Tips

o Ejector Levers: For modules with ejector levers, open them carefully and follow guide rails to avoid damaging the backplane .
o Storage: Store removed modules in a protective box if not reused .
o Noise and Fan Considerations: If replacing modules in a switch with active fans, take noise precautions and

minimize hot-swap time . Following these steps ensures a safe and effective replacement of optical modules in H3C devices while maintaining network integrity and module longevity.

6 Replacement procedures ... The device uses a modular, hot-swappable architecture, and supports field replaceable units (FRUs).

View and Download H3C S9800 Series installation manual online. S9800 Series switch pdf manual download. Also for: S9804, S9810.

When replacing an optical module, do not look into bores of the optical module without eye protection. The laser emitted from the

In contrast, the EPON-based POL solution leverages the EPON OLT"s enhanced Ethernet forwarding and switching capabilities.

H3C switches perform authentication on inserted optical modules. By default, a large number of alarm messages will

H3C fiber network cables are Active Optical Cables (AOCs) terminated with transceiver modules. H3C copper network cables include

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

Replacing a transceiver module or network cable ... In case of limited space, you can use tweezers (provider with the device) to

Optical modules are hot swappable, and you do not need to power off the switch when replacing optical modules. Optical modules

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper

06-Chapter 6 Replacement Procedures 07-Appendix A Engineering labels 08-Appendix B Cabling Recommendations 09-Appendix C

Small Form-factor Pluggable modules (SFP module) are the workhorses of modern network connectivity, enabling

Replacing the optical module in an H3C switch

An optical module is an electrostatic sensitive device. Therefore, you must take antistatic measures during the whole process of

This document describes hardware installation procedures of the S7700 and S9700 series switches, troubleshooting methods for

Context Never look directly into an optical module or the ends of optical fibers. Optical modules and connected fibers emit laser

Replacing an interface module that uses detachable ejector levers · 8-2 Replacing an interface module with ejector levers · 8-4

Web: https://bssoda.pl