

The OLT optical module cannot be removed



Article Overview

If an OLT optical module cannot be removed, the issue may be due to active ONU connections, PON port status, or hardware lock; resolving it requires proper deactivation and deletion of connected ONUs and checking port or board conditions.

Step 1: Deactivate and Delete Connected ONUs

Before removing an optical module, ensure that all ONUs connected to the OLT port are deactivated. Use the OLT management interface to check ONU status with commands like `display ont info`. If ONUs are active, run the `ont deactivate` command to deactivate them. After deactivation, delete the ONUs from the OLT using the `ont delete` or equivalent command to free the port for module removal .

Step 2: Check PON Port and Laser Status

The optical module may remain locked if the PON port is disabled or the laser is off. Verify the port status with `display port info` or `display port state`. If the Admin State is Off or the laser is disabled, enable it using `port laser-switch` or the corresponding command. Ensure that the transmit optical power (TX power) is within the normal range (1.5–5.0 dBm) to avoid hardware protection locks .

Step 3: Inspect Board or Slot Conditions

If the module still cannot be removed, the issue may be related to the board or slot....

Article Content

Sep 27, 2025

Common GPON network problems and solutions

Common GPON network problems are mainly divided into several categories, including optical path failure,

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Huawei OLT Series Knowledge Base & FAQ-Huawei

One EA5800 CPU usage is high (99%) which lead to NMS cannot management this device. OLT CPU very high due to

Nov 23, 2025

Common GPON network problems and solutions

Trunk fiber break (LOS): OLT cannot receive optical signal, and all ONUs under the entire PON port are offline.

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OLT Fault

Check for the possible causes on the OLT and troubleshoot the faults accordingly. The ONU auto discovery function is disabled on

Nov 17, 2025

Huawei OLT PON Port Licensing FAQ: Expert Answers to Network ...

Q5: Is an optical module compatible with any PON port? What are the guidelines? No. Optical module compatibility is strictly tied to

Jun 08, 2026

How to configure Optical Line Terminal (OLT) and Omada Switch with ...

Note: Omada SDN Controller will not lose the OLT configuration after adopting an OLT device but we are no longer able

Nov 12, 2025

TELLABS OLT2 INSTALLATION MANUAL Pdf Download | ManualsLib

The turnup configuration will be applied and the OLT restarted if necessary. Page 44 Tellabs® OLT2 Optical Line Terminal

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OLT (Optical line terminal)

The OLT's flexibility in handling different types of traffic and protocols makes it suitable for diverse applications and

Oct 01, 2025

Getting Started With OLT Network Configuration, Cisco Catalyst PON ...

About Service Profiles How to Configure Service Profiles About Service Profiles A Gigabit passive optical network

May 20, 2026

Installation Guide

As a power board used in conjunction with DS-P8000-X2, it is used to supply power to equipment and ensure the normal use of rack

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Replacing an Optical Module

Non-certified optical modules cannot ensure transmission reliability and may affect service stability on the switch. Huawei is not liable

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GPON ONU Registration Troubleshooting Guide

It provides steps to check the OLT interface status, fiber connections, optical power levels, authentication settings, and ONU/OLT

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How to deal with ONT failure due to mismatched optical modules of ...

The OLT and ONT optical modules do not match. Process Measure the received light on the ONT side with an optical power meter

Apr 17, 2026

DS110DF111: the SFP optical port fails to be inserted and removed ...

Hi Lucas, When the optical module is inserted and removed repeatedly and the optical port links down, the system

Sep 02, 2025

kaoheng1515/OLT-GPON-XPON-Troubleshooting

This repository contains the most frequently used troubleshooting, diagnostic, and recovery commands for GPON

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Huawei Enterprise Support Community

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Displaying Optical Module Information

The optical module cannot be installed in an optical interface because the optical module structure is nonstandard. The structure and

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How to deal with ONT failure due to mismatched optical modules of ...

The optical module type issued by the ONT does not match the optical module type on the OLT equipment side. The OLT side is

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Poor OLT's Upper-Layer Network Quality

An OLT equipped with a ETH board for upstream transmission is used as an example. Run the display port state all command to

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What are the common issues in OLT configuration and usage, and

Solution: Check the OLT's bandwidth configuration, increase bandwidth if necessary, or optimize traffic. Consider

Jan 07, 2026

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

Aug 16, 2025

Huawei/olt.md at main · RodolfoBrandaoOfficial/Huawei · GitHub

Huawei OLT Commands ☐☐ This repository contains a list of useful commands for configuring and managing Huawei OLT (Optical Line

Contact Us

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