Huawei Switch Optical Module Indicator Lights



Overview

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical support.

Key Takeaways

Huawei optical module LEDs indicate power, link status, signal quality, and faults, with specific colors and blinking patterns reflecting operational conditions.

LED Status Overview

Power LE

D: Steady green: Device is powered on and functioning normally. Off: No power; check power connection or adapter.

PO

N (Passive Optical Network) LED: Steady green: Successful connection and registration with the OLT. Blinking green: Device is attempting to connect or register. Off: No optical signal or device not registered.

LO

S (Loss of Signal) LED: Off: Normal operation, optical signal is present. Blinking red slowly: Fiber may be disconnected or optical connector is dirty. Blinking red quickly: GPON terminal is transmitting optical signals abnormally.

Steady red: Hardware fault or no optical signal.

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LAN Port LE

Ds (Ethernet indicators): Steady green: Active link. Blinking green: Data transmission occurring. Off: No connection detected.

Troubleshooting Optical Module LEDsNo LED light on optical port: Verify fiber and optical module compatibility (single-mode vs. multi-mode). Ensure the optical module rate matches the interface (e.g., do not use 10G module on a 1G port). Check if the port is administratively down using display interface command.

Abnormal LOS or PON LE

D behavior: Inspect fiber connections and clean connectors if contaminated. Perform a loopback test by connecting the fiber jumper to the same optical module to check for port abnormalities. Use display transceiver interface verbose to check optical power, wavelength, and module status.

Using non-Huawei-certified modules: May cause abnormal LED behavior, data bus errors, or interface damage. Always use Huawei-certified optical modules for reliable operation. Commands for Monitoringdisplay interface: Shows port link status, transceiver type, and traffic statistics.display transceiver interface verbose: Displays detailed optical module diagnostics including transmit/receive power, wavelength, and temperature.

Understanding these LED indicators allows technicians to quickly assess the operational health of Huawei optical modules, identify faults, and ensure proper fiber connectivity.

Article Content

Displaying Optical Module Information

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical support. If your optical modules are delivered after July 1, 2013, use

Troubleshooting S Series Switch Port and Interface Problems

Observe service interface indicators to quickly identify the service interface status. The following uses the S6730-H48X6C as an example. In Figure 1-1, the indicator numbered 4 is a 10GE optical

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

How To View Optical Transceiver Information On Huawei Switches

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Optical transceivers are widely applied in switches, network cards, routers and other communication devices. Checking transceiver parameters allows users to monitor real-time

Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove and reinstall the optical module. If ...

Huawei ONT LED Status & it''s Function

The status of PON and LOS reflects the connection between GPON terminal and the optical line terminal (OLT). The following table describes the

HUAWEI OptiX Star Manual

The complete HUAWEI OptiX Star user manual, along with technical documentation on how to set it up from the manufacturer, is available for

HUAWEI HG659 USER MANUAL Pdf Download

What do the indicator lights on the Huawei HG659 Gateway mean? The indicator lights on the Huawei HG659 Gateway have the following meanings: Power:

Huawei ONT LED indicators — Grokipedia

These indicators visually display the device''s power status, optical connectivity to the service provider, Ethernet and Wi-Fi activity, telephony, USB, and additional functions, enabling users and technicians

Huawei Data Center Switch Optical Transceiver Portfolio

Description 40GBase-iSR4 Optical Transceiver, QSFP+,40G,Multi-mode (850nm,0.15km,MPO) (connecting to one QSFP+ or four SFP+) 40GBase-eSR4 Optical Transceiver, QSFP+,40G,Multi

S5731-S48P4X (02353AJH/02353AJH-001/02353AJH-003)

The switch is a PoE switch and supports two power module slots, each of which can have a 1000 W PoE or 600 W PoE power module installed. Pluggable AC and DC PoE power modules can be used

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Network Switches | Huawei Enterprise

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Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for resilient services and simplified management.

How To View Optical Transceiver Information On Huawei Switches

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the process of using the optical module information can be read to

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

Look!! Fiber Optic Terminal Box

Look!! Fiber Optic Terminal Box MT-1403-8 New 8 Core Junction Box ftth 8 ports terminal box Material: PC. Color: White. Dimension: 240*200*50mm Weight: 630g. Waterproof grade: IP65.

S5700 Series Switches Hardware Description (V200)

Power Supply System The switch has a built-in AC power module and does not support pluggable power modules. The built-in power module can provide 380 W PoE power, which ensures full PoE

Solved: Understanding TX RX light level

Hi, I hope someone could please help clarify TX and RX light level. This is the information i got from the CLI of cisco router: Optical Optical Temperature Voltage Current Tx Power Rx Power

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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