



Huawei Fiber Hybrid Switch Indicator Lights

Article Overview

Huawei Fiber Hybrid Switch LEDs indicate power, optical link status, Ethernet activity, and hybrid cable connectivity, with steady or blinking lights reflecting normal operation or faults.

Power Indicator

The Power LED shows the device's power status. A steady green light indicates the switch is powered on, while off means no power is supplied or the power connection is faulty. Always ensure the power adapter matches the device specifications and the ON/OFF button is correctly set ().

Optical Link Indicators (PON/LOS)

- o PON LED: Steady green indicates a successful connection and registration with the upper-layer device (e.g., OLT). Blinking green signals that the switch is attempting to establish a connection or register ().
- o LOS (Loss of Signal) LED: Normally off when the optical link is healthy. A blinking or steady red light indicates fiber disconnection, no optical signal, or hardware faults. Slow blinking may suggest a dirty or improperly connected fiber ().

Ethernet Port Indicators (LAN)

- o Steady green: Ethernet port is connected and operational.
- o Blinking green: Data is being transmitted or received.
- o Off: No connection is detected on the port ().

WLAN and Other Function LEDs

- o WLAN LED: Steady green when Wi-Fi is enabled, blinking green during wireless data transmission, and off when disabled.
- o USB, TEL, CATV LEDs: Indicate the status of connected devices or services, with blinking showing active data transmission and off indicating inactivity or disconnection ().

Hybrid Cable Connection Indicators

For hybrid optical-electrical switches, proper LED behavior also depends on correct hybrid cable installation. Ensure that:

- o Switch-side and AP-side pigtails are correctly identified and connected.



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- o Optical fibers are connected to the correct TX/RX ports.
- o Power cables and optical fibers of the same color are matched.
- o Steady or blinking LEDs on the switch reflect proper hybrid cable connectivity and data transmission ().

Troubleshooting Tips

- o If LEDs indicate abnormal states (e.g., LOS red, PON blinking without registration), check fiber connections, clean connectors, verify power supply, and ensure correct hybrid cable installation.
- o Persistent faults may require collecting device logs and contacting Huawei support for further assistance ().

By monitoring these LEDs, technicians can quickly assess the operational health of Huawei Fiber Hybrid Switches and identify issues related to power, optical links, Ethernet ports, and hybrid cable connections.

The set device fault-lightnormal and undo set device fault-light commands have the same functions. That is, after either of the two

Do you use a Huawei Box for your internet connection? Learn what the lights mean and how to diagnose errors.

Learn about "LED indicators on HUAWEI 4G routers". Find all usage guide, troubleshooting tips and resources for your HUAWEI

Huawei Technical Support

What do the indicator lights mean? If you are encountering an issue with your Broadband connection try some of our

Prepare and test the hybrid cable 2.0 according to Assembling Second-Generation Hybrid Cable. Connect the 1.5 m jumper. Install

These indicators visually display the device"s power status, optical connectivity to the service provider, Ethernet and Wi-Fi activity,

The second-generation hybrid cable (hybrid cable 2.0) is composed of optical fibers and copper cores. It is mainly used to connect a

Checking the Indicator Status The device has various indicators. By observing these indicators, you can determine the device"s

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Connecting Second-Generation Hybrid Cable Context For details related to precautions for using the second-generation hybrid cable

Setting the Device Fault Indicator Context If a switch is faulty, run the set device fault-light command to set the mode indicators or

Learn about "My router"s indicator still slowly flashes after it"s connected to the Internet". Find all usage guide, troubleshooting tips

Enter the Huawei fiber switch, a device engineered to turn sluggish copper-based networks into hyperspeed highways. But here"s the

The document describes the LED indicators commonly found on Huawei and ZTE routers and their purposes. The LEDs indicate the

Troubleshooting S Series Switch Port and Interface Problems This document describes how to check the switch interface or port

When the LOS LED blinks slowly, check whether the pigtail fiber is connected normally and

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