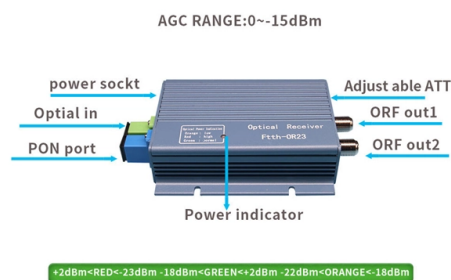


Huawei Fiber Optic Switch Unrecognized IP



AI Overview

An unrecognized IP on a Huawei switch usually indicates misconfigured management IP, VLAN, or interface settings, which can be resolved via CLI configuration and verification.

Verify Management IP and VLAN

First, ensure the switch has a management IP assigned to the correct VLAN interface. Many Huawei switches use a default factory IP (e.g., 192.168.1.253 for S1700 series) if no IP is configured.

Connect via console or SSH and enter system-view mode:

```
CodeCopy system-view
```

Check the IP configuration for the VLAN interface:

```
CodeCopy display ip interface brief
```

display ip interface vlanif If no IP is assigned, configure it:

```
CodeCopy interface Vlanif 10 ip address 192.168.1.1 255.255.255.0
```

Replace Vlanif 10 with the VLAN used for management and adjust the IP/subnet accordingly.

Verify Interface and Port Status

Ensure the physical interface connected to your network is up. Check the interface status:

```
CodeCopy display interface GigabitEthernet 0/0/1
```

If the interface is down, troubleshoot for hardware or connection issues, such as faulty optical modules, fibers, or DAC cables.

For QSFP28 ports, ensure the port type matches the cable speed; you may need to run:

```
CodeCopy undo assign port-type 100ge all
```

to adjust port speed if using 40Gbps cables.

Save and Test Configuration

After assigning the IP and verifying the interface:

```
CodeCopy return
```

save ping Confirm connectivity from a connected device. If the ping fails, check for subnet mismatches, VLAN misconfigurations, or firewall restrictions.

Additional Tips

Ensure the management VLAN is allowed on the port if using hybrid or trunk mode. If the switch was previously locked down, reset to factory defaults may help if credentials and IP are unknown. Always verify the VLAN assignment and interface mode (access/hybrid) to ensure the management IP is reachable. Following these steps should resolve the u...

Article Content

IP address configuration on S series switch

"An S series switch, except S1700, supports primary and sub IP addresses on interfaces. Each Layer 3 interface can have multiple IP addresses, including one primary IP addresses and

9 Query Commands for Huawei Switches

This article will introduce in detail the nine query commands of Huawei switches to help you quickly understand the operating status and configuration information of the device, so as to

Typical Troubleshooting Cases of Optical Module

Possible causes include: The connector attenuation of the optical fiber exceeds the attenuation threshold, or the optical fiber is bent seriously. Install another optical module on the port and check

9 Query Commands for Huawei Switches

With its excellent performance and rich functions, Huawei switches have become one of the preferred devices for many enterprise networks. This

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - IP Unicast Routing This document describes IP Unicast Routing configurations supported by the switch, including the

Network Admin's Must-Know: How to Change IP Address on Huawei

Whether you're troubleshooting connectivity issues or segmenting networks for enhanced security, mastering how to change IP address on Huawei switch proves critical.

Troubleshooting Cases for DHCP Server

Run the dhcp server excluded-ip-address command to configure IP addresses that exclude each other for address pools on the master and backup switches. The two address pools are independent of

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How to Assign an IP Address in a Huawei Switch? Why Proper ...

Validate the setup by pinging the IP from a connected device or using display ip interface brief in the CLI to list all configured interfaces. If the IP doesn't respond, retrace your steps—common

How To View Optical Transceiver Information On Huawei Switches

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

Management Interfaces and Management IP Addresses of S Series

This document describes the management interfaces supported by switches and how to configure management IP addresses for switches.

Solved Problem with a Huawei Switch

I'm now trying to connect a Server with a QNAP LAN-40G2SF-MLX card, a rebranded Mellanox ConnectX-3 Pro, to the switch. But neither the switch nor the server sets the link to UP.

Troubleshooting S Series Switch Port and Interface Problems

When connecting two devices, check whether optical modules match optical interfaces, whether optical modules match fiber models, and whether optical modules and fibers are connected correctly.

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Huawei 40G QSFP Switch Guide: CE6800 & CE12800 Specs

Compare Huawei CloudEngine 40G switches (CE6800, CE12800), QSFP+ module compatibility (SR4/LR4), and deployment guidance for AI-ready Ethernet fabrics.

01-01 IP ADDRESS CONFIGURATION

To connect a PC to the Internet, you need to apply an IP address from the Internet Service Provider (ISP). An IP address is a numerical label assigned to each device on a computer network. An IPv4

Troubleshooting for Optical Modules on Huawei Switch

When connecting switches through optical ports, pay attention to the following points: The optical modules used on both ends must have the same wavelength.

What are the common check commands for Huawei switches?

Many data in Huawei switches need to be queried using commands, and there are also many commonly used inspection commands. Today, we will introduce the inspection commands for

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

Checking Whether the Interface Configuration Is Correct

After an SFP-GE copper or optical module is installed on a GE or 10GE optical interface, or a high-speed cable is installed on a 40GE optical interface, the interface works in auto-negotiation mode by

Huawei switch interface configuration error reporting guide

Check the error message according to the following table, and take the troubleshooting method accordingly. Error: The specified IP address is invalid. Invalid IP address, wrong IP address or

Network Admin's Must-Know: How to Change IP Address on Huawei Switch ...

Every Huawei switch serves as the backbone of enterprise networks, yet 43% of configuration errors stem from improper IP address management. Whether you're troubleshooting connectivity issues or

No IP address obtained from Huawei router but OK from connected switch ...

Also connected to the Huawei router is a Netgear 24 port switch (FS724TP) - if I connect the Ubiquiti switch to a port on this (gigabit) I will get an IP address from the Huawei router and have

How to Assign an IP Address in a Huawei Switch? Why

Configuring an IP address on a Huawei switch isn't just a technical checkbox—it's the foundation of a reliable, responsive network. Whether you're

What are the common check commands for Huawei

What are the commonly used inspection commands for Huawei switches? Many data in Huawei switches need to be queried using commands,

Huawei network switch S1700

While making an ICT inventory in an organization I came across a network switch that seems to be locked-down. This organization has a Huawei network switch 1700 series. But it doesn't

Ethernet Interface Configuration Commands

S1720, S2700, S5700, and S6720 V200R011C10 Command Reference This document describes all the configuration commands of the device, including the command function, syntax, parameters, views,

Contact Us

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