

# Industrial-grade switch cannot find IP address

One step in troubleshooting an EtherNet/IP network is to make sure each device on the network has a valid IP address. This chapter explains different methods to assign IP addresses.

Restart the switch first, let it take a breath, and temporarily restore communication: it's like if your phone is stuck, restarting it may fix it. [Download ...](#)

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The system broadcasts an ARP request, containing the IP address, and the device with that IP address sends back its MAC address so that traffic can be transmitted.

An initial IP address for an IE switch cannot be assigned using Web Based Management or the Command Line Interface because these configuration tools require that an IP address already exists.

Learn the fundamentals of IP addressing and subnet masks for industrial environments. This guide covers everything from PLC communication and 192.168.x.x standards to avoiding IP ...

Download and install the management software or command line tool that matches the switch model. Prepare the default IP address, username, and password of the switch. If they have been changed, ...

Verify IP Address and Subnet Configuration: Ensure that the switch's IP address is correctly configured and does not conflict with other devices. --- If the switch is in Layer 3 mode (routing mode), ensure ...

When a switch fails to obtain an IP address, it can be frustrating and hinder network communication. In this article, we will explore the reasons why a switch may not be able to find an IP ...

Quickly learn how to find a switch IP address! This guide provides multiple, easy-to-follow methods for discovering the IP address of your network switch, ensuring smooth network ...

When you first set up the switch, you should use Express Setup to enter the initial IP information. This process enables the switch to connect to local routers and the Internet.

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