

How to configure IP addresses for industrial switches



Article Overview

Assign a static IP address to your industrial switch via the management interface or CLI to ensure reliable communication in industrial networks.

Step 1: Prepare for Configuration

- Connect to the switch: Use a console cable to connect your computer to the switch's Console port, or connect via the management Ethernet port if the switch supports web or SSH access .
- Gather credentials: Have the default or updated username and password ready.
- Check default IP: Many industrial switches come with a factory default IP (e.g., 192.168.1.254) if DHCP is not available .

Step 2: Access the Management Interface

- CLI method: Open a terminal program (like PuTTY) and log in to the switch console .
- Web interface method: Enter the switch's IP address in a browser and log in with credentials .

Step 3: Configure the IP Address

- Static IP assignment (recommended for industrial devices like PLCs, HMIs, and VFDs to ensure predictable communication), • Enter Global Configuration mode in CLI: configure terminal...

Article Content

Mastering IP Addresses for Industrial Automation and OT Networks

Learn the fundamentals of IP addressing and subnet masks for industrial environments. This guide covers everything from PLC

Configure IP Address Settings on a Switch using the CLI

This article provides instructions on how to configure the IP address settings of your switch through the Command Line Interface

Stratix 5700 Switch Configuration Quick Start

The switch initializes its configuration for typical industrial EtherNet/IP applications. The switch then redirects you to the logon page

How To Install And Configure Industrial Ethernet?

After that, configure the network devices for optimal performance by setting IP addresses, subnet masks, and VLANs as needed.

Configuration manual for industrial switch

The industrial switch configuration manual is a detailed guide that instructs users on how to correctly install, configure, and optimize

How to Set the IP Address of Your Computer

Hello and welcome back to another article from RealPars, the world's largest online learning platform for cutting-edge industrial

How To Install And Configure Industrial Ethernet? | Guide

Use managed switches for better control and monitoring. For configuration, assign unique IP addresses to all devices and set up

How To Install And Configure Industrial Ethernet?

Begin with the physical setup, ensuring proper cable management and secure connections. After that, configure the network devices

Mastering IP Addresses for Industrial Automation and OT Networks

Mastering IP Addresses in OT Networks The modern factory floor is no longer just a collection of mechanical gears and high voltage

Switch configuration with IP address

In this tutorial, you'll learn how to configure a switch with an IP address so you can manage it remotely. Configuring an IP address on

ENET-UM006C-EN-P EtherNet/IP Network Devices User Manual

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of

Configure IP Address Settings on a Switch using the CLI

To remotely manage the device, an IP address must be defined to access the switch. This allows you to easily configure or

SCALANCE X-200

Preface Purpose of the Configuration Manual This manual supports you when configuring the SCALANCE X-200 Industrial Ethernet

Initial Switch Configuration

Whether the configuration deployment of a switch is completed all at once or done in phases, the basic switch settings must first be

Setting the switch IP address

You can configure the SAN96B-5 with a static IP address, or you can use a Dynamic Host Configuration Protocol (DHCP) server to

Control Engineer's Guide to IP Addressing

There are two ways a gateway can get that address, either it's supplied by a device on your network that is a DHCP (Dynamic Host

Contact Us

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