

Moxa Industrial Ethernet Switch Configuration



Article Overview

Moxa Industrial Ethernet switches can be configured via a browser-based UI or MXconfig software, supporting VLANs, redundancy protocols, and industrial automation standards like PROFINET, Modbus/TCP, and EtherNet/IP.

Initial Setup

- **Physical Connection:** Connect your computer to any Ethernet port on the switch using a standard Ethernet cable. Ensure both devices are on the same subnet. For example, the default IP for SDS-(G)3000 series is 192.168.127.253 with subnet mask 255.255.255.0, username admin, and password moxa . For other smart switches, the default IP may be 192.168.127.252 .
- **Accessing the Web UI:** Open a web browser and enter the switch's IP address. The dashboard uses intuitive icons for easy navigation, allowing configuration of VLANs, port mirroring, SNMP, and relay warnings .

Network Configuration

- **VLAN Setup:** Use IEEE 802.1Q VLAN to segment traffic for industrial devices, improving network security and performance .
- **Redundancy Protocols:** Configure Turbo Ring or Turbo Chain for network redundancy. Designate one switch as the Ring Master and select ring ports. Recovery times can be below 20 milliseconds, critical for PROFINET IRT applications .
- **Quality of Service (QoS):** Prioritize traffic for time-sensitive industrial protocols like PROFINET IRT to ensure deterministic communication .

Article Content

Moxa E Series User Manual

There are three ways to access the Moxa switch's configuration settings: USB console, command line interface, or web-based

Moxa Managed Ethernet Switch User Manual

The Moxa switch supports saving your configuration or log file to a remote TFTP server or local host. Other Moxa switches can also

Layer 2 Managed Switches

Moxa's Layer 2 managed switches feature industrial-grade reliability, network redundancy, and security features based on the IEC

Moxa Industrial Smart Ethernet Switch User Manual

To connect to your Moxa smart switch for the first time, use a standard Ethernet cable to connect your computer's Ethernet port to

Moxa Industrial Smart Ethernet Switch User's Manual: Edition 1

The Moxa industrial smart Ethernet switch has a browser-based UI with easy-to-recognize icons on the UI dashboard to effectively

Ethernet Switches

Moxa provides a wide range of industrial Ethernet switches that feature industrial-grade reliability, network

EDS-510A Series

The EDS-510A Gigabit managed redundant Ethernet switches are equipped with up to 3 Gigabit Ethernet ports, making them ideal

Moxa MXconfig Configuration Software Tool

Moxa's MXconfig is a comprehensive Windows-based utility that is used to install, configure, and maintain multiple Moxa devices on

Moxa Switch FAQs - Industrial Ethernet Switch Guide

Yes, most Ethernet switches are plug-and-play, especially unmanaged models. A Moxa switch in unmanaged form works as a simple

Moxa Switch FAQs - Industrial Ethernet Switch Guide

Find answers about Moxa switches, including Unmanaged, PoE, Layer 2/3 features, setup, and troubleshooting for reliable industrial

Moxa Managed Ethernet Switch (UI_2.0_FW_5.x) User Manual

1. About This Manual Thank you for purchasing a Moxa managed Ethernet switch. Read this user's manual to learn how to connect

MOXA TECHNOLOGIES SDS-3008 SERIES USER

Read this user's manual to learn how to connect your Moxa Industrial Smart Ethernet Switch to Ethernet

Choose the Right Ethernet Switches for Your Network | Moxa

Proven Reliability for Your Critical Industrial Networks With 35+ years experiences, Moxa is the leading supplier of industrial Ethernet

How to Configure a Moxa Ethernet Switch

Moxa offers a range of industrial smart Ethernet switches that are designed to meet the networking needs of different

Moxa Managed Ethernet Switch User Manual

Read this user's manual to learn how to connect your Moxa switch to Ethernet-enabled devices used for industrial applications. The

Moxa Managed Ethernet Switch User Manual

Moxa Managed Ethernet Switch User Manual The software described in this manual is furnished under a license agreement and may

Moxa EDS 510E Industrial Ethernet Switch User's Guide

Discover the features and capabilities of the Moxa EDS-510E Industrial Ethernet Switch, designed for use in industrial environments.

MOXA TECHNOLOGIES E SERIES USER MANUAL Pdf Download

There are three ways to access the Moxa switch's configuration settings: USB console, command line interface, or web-based

Smart Switches That Fit Just Right | Moxa

Moxa's super-slim SDS-3000/G3000 Series industrial smart switches are the perfect balance between simplicity and the essential

Moxa Managed Ethernet Switch (UI 2.0 FW 5.x) User's Manual

In this chapter, we explain how to access a Moxa switch's various configuration, monitoring, and management functions. The

Moxa Industrial Smart Ethernet Switch User s Manual

The Moxa industrial smart Ethernet switch supports the management of accounts, including establishing, activating, modifying,

Contact Us

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