

Moxa EDS-P506A-4PoE

MOXA EDS-P506A-4PoE Managed PoE Ethernet Switch User Manual

Model: EDS-P506A-4PoE

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the MOXA EDS-P506A-4PoE Managed PoE Ethernet Switch. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

The MOXA EDS-P506A-4PoE is designed for industrial networking applications, offering reliable data transmission and Power over Ethernet (PoE) capabilities.

2. PRODUCT OVERVIEW

The MOXA EDS-P506A-4PoE is a managed industrial Ethernet switch featuring four Power over Ethernet (PoE) 10/100BaseTX ports and two additional 10/100BaseTX ports. It is designed to operate in a temperature range of 0 to 60 degrees Celsius, making it suitable for various industrial environments.

Key features include:

- 4 PoE 10/100BaseTX ports for powering compatible devices.
- 2 additional 10/100BaseTX ports for network connectivity.
- Managed switch capabilities for advanced network control and monitoring.
- Robust design for industrial applications.



Figure 1: Front view of the MOXA EDS-P506A-4PoE Managed PoE Ethernet Switch, showing multiple Ethernet ports and

3. SETUP AND INSTALLATION

3.1 Package Contents

Verify that your package contains the following items:

- MOXA EDS-P506A-4PoE Ethernet Switch
- Quick Installation Guide (if included)
- Warranty Card (if included)

If any items are missing or damaged, please contact your vendor immediately.

3.2 Mounting the Switch

The EDS-P506A-4PoE is designed for DIN-rail mounting. Follow these steps:

1. Attach the DIN-rail mounting kit to the rear panel of the switch.
2. Hook the top of the DIN-rail clip over the top edge of the DIN-rail.
3. Press the switch firmly against the DIN-rail until the clip snaps into place.

3.3 Power Connection

Connect a suitable power supply to the terminal block on the switch. Ensure the power supply voltage matches the device's requirements (typically 12/24/48 VDC, refer to specifications for exact range). Observe correct polarity when connecting the power wires.

3.4 Network Connections

Connect Ethernet cables to the 10/100BaseTX ports. For PoE-enabled devices, connect them to the designated PoE ports. The switch will automatically detect and provide power to compliant PoE devices.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

Once powered on and connected, the switch will begin forwarding network traffic. Status LEDs on the front panel indicate power status, link status, and activity for each port. Refer to the LED indicators section (if available in a more detailed manual) for specific meanings.

4.2 Management and Configuration

As a managed switch, the EDS-P506A-4PoE offers advanced configuration options. These typically include:

- Web-based management interface (accessible via a web browser).
- CLI (Command Line Interface) via console port or Telnet/SSH.
- SNMP for network management systems.

Detailed configuration instructions for VLANs, QoS, port mirroring, and other advanced features are typically found in the comprehensive user manual available on the MOXA website.

5. MAINTENANCE

To ensure optimal performance and longevity of your MOXA EDS-P506A-4PoE switch, consider the following

maintenance practices:

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and debris.
- **Firmware Updates:** Check the MOXA website regularly for firmware updates. Applying the latest firmware can improve performance, add features, and address security vulnerabilities.
- **Environmental Conditions:** Ensure the switch operates within its specified temperature and humidity ranges to prevent damage.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues.

6.1 No Power

- Verify the power supply is correctly connected and providing the correct voltage.
- Check the power source (outlet, circuit breaker).
- Ensure the power terminal block is securely fastened.

6.2 No Link on Port

- Check the Ethernet cable for damage and ensure it is securely connected at both ends.
- Verify the connected device is powered on and functioning correctly.
- Try a different port or cable.

6.3 PoE Device Not Receiving Power

- Ensure the device connected is a PoE-compatible device.
- Verify the device is connected to one of the designated PoE ports.
- Check the total power budget of the switch; ensure it is not exceeded by connected devices.

For more complex issues, consult the full product manual or contact MOXA technical support.

7. SPECIFICATIONS

Feature	Detail
Model	EDS-P506A-4PoE
Brand	Moxa
Interface Type	PoE
Ports	4 PoE 10/100BaseTX, 2 x 10/100BaseTX
Operating Temperature	0 to 60°C
Compatible Devices	Desktop (General network devices)
Manufacturer	MOXA
UPC	747356312950

ASIN

B07CJTVDF9

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official MOXA website. Warranty terms and conditions may vary by region and product.

For technical support, product documentation, and software downloads, please visit the official MOXA support portal or contact your local MOXA distributor. When contacting support, please have your product model (EDS-P506A-4PoE) and serial number ready.