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Moxa IM-6700A-8PoE

MOXA IM-6700A-8PoE Fast Ethernet Interface Module User Manual

Model: IM-6700A-8PoE

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, maintenance, and troubleshooting of the MOXA IM-6700A-8PoE Fast Ethernet Interface Module. This module is designed for use with IKS-6726A/6728A modular Ethernet switches, offering 8 x 10/100BaseTX PoE/PoE+ ports.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the device. Failure to do so may result in injury or damage to the equipment.

- Ensure proper grounding to prevent electrical shock.
- Do not expose the device to water or excessive humidity.
- Operate the device within the specified temperature and humidity ranges.
- Only qualified personnel should perform installation and maintenance.
- Disconnect power before cleaning or servicing the module.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- MOXA IM-6700A-8PoE Fast Ethernet Interface Module
- Quick Installation Guide (if applicable)
- Warranty Card (if applicable)

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

4. SETUP

4.1 Physical Installation

1. Ensure the host IKS-6726A/6728A modular Ethernet switch is powered off and disconnected from all power sources.
2. Locate an available module slot on the host switch.
3. Carefully align the IM-6700A-8PoE module with the slot and gently slide it in until it is fully seated.
4. Secure the module using any provided screws or locking mechanisms on the host switch.

4.2 Connecting Network Cables

Connect standard Ethernet cables (Cat5e or better) from your network devices to the 10/100BaseTX ports on the IM-6700A-8PoE module. For PoE/PoE+ functionality, ensure connected devices are PoE-compatible.

4.3 Powering On

After all connections are secure, reconnect the host switch to its power source and power it on. The module will initialize with the switch.

5. OPERATING

5.1 LED Indicators

The module features LED indicators to provide status information:

- **Link/Act LED (per port):**
 - *Green (Solid)*: Link established.
 - *Green (Flashing)*: Data activity.
 - *Off*: No link.
- **PoE LED (per port):**
 - *Amber (Solid)*: PoE power being supplied to the connected device.
 - *Off*: No PoE power being supplied.

5.2 PoE/PoE+ Functionality

The IM-6700A-8PoE module automatically detects and provides power to IEEE 802.3af (PoE) and 802.3at (PoE+) compliant Powered Devices (PDs) connected to its ports. The maximum power output per port and total power budget are determined by the host switch and module specifications.

6. MAINTENANCE

6.1 Cleaning

To clean the module, first disconnect power from the host switch. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.

6.2 Firmware Updates

Firmware updates for the host switch, which may include updates for the module, are typically managed through the host switch's management interface. Refer to the host switch's manual for detailed instructions on firmware updates.

6.3 Environmental Considerations

Ensure the operating environment remains within the specified temperature and humidity ranges to ensure optimal performance and longevity of the module.

7. TROUBLESHOOTING

This section provides solutions to common issues you may encounter.

- **No Link LED:**
 - Check the Ethernet cable connection at both ends.
 - Verify the connected device is powered on and functioning correctly.
 - Try a different Ethernet cable or port.
- **PoE LED Off (for a PoE device):**
 - Ensure the connected device is a PoE/PoE+ compliant Powered Device (PD).
 - Check the power budget of the host switch; it might be exceeded.
 - Verify the cable length does not exceed the maximum for PoE (typically 100 meters).
- **Module Not Detected by Host Switch:**
 - Ensure the module is fully seated in its slot.
 - Power cycle the host switch.
 - Consult the host switch's manual for module detection procedures.

If the problem persists, contact technical support.

8. SPECIFICATIONS

Feature	Description
Brand	Moxa
Model	IM-6700A-8PoE
Number of Ports	8
Interface Type	PoE/PoE+ (10/100BaseTX)
Compatibility	IKS-6726A/6728A Modular Ethernet switches
Manufacturer	MOXA
UPC	747356312349
ASIN	B07CGPHHMK

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This MOXA product is covered by a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official Moxa website for detailed warranty terms and conditions.

9.2 Technical Support

For technical assistance, product inquiries, or to report issues, please contact Moxa's customer support. Contact information can typically be found on the official Moxa website or in the documentation provided with your host switch.