

Moxa IKS-6726A-2GTXSFP-HV-T

MOXA IKS-6726A-2GTXSFP-HV-T Modular Managed Ethernet Switch User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the MOXA IKS-6726A-2GTXSFP-HV-T Modular Managed Ethernet Switch. This device is designed for industrial networking applications, offering robust performance and flexible connectivity options.

The IKS-6726A-2GTXSFP-HV-T features 8 x 10/100BaseTX ports, 2 x 10/100/1000BaseTX or 100/1000BaseSFP combo ports, and 2 slots for Fast Ethernet modules, all with front cabling for convenient access.

Product Overview



Figure 1: Front view of the MOXA IKS-6726A-2GTXSFP-HV-T Modular Managed Ethernet Switch, showing the 8 x 10/100BaseTX ports, 2 x 10/100/1000BaseTX or 100/1000BaseSFP combo ports, console port, USB port, and LED indicators.

2. SETUP AND INSTALLATION

2.1 Package Contents

Verify that the package contains the following items:

- MOXA IKS-6726A-2GTXSFP-HV-T Ethernet Switch
- Power cord (if included)
- Rack-mount kit
- Documentation CD or Quick Installation Guide

2.2 Rack Mounting

1. Attach the provided rack-mount brackets to the sides of the switch using the screws included in the kit.
2. Secure the switch into a standard 19-inch equipment rack using appropriate rack screws.

2.3 Power Connection

Connect the power cable to the power input on the rear of the switch and then to a suitable AC power source. Ensure the power source meets the voltage requirements specified for the device.

2.4 Network Connections

The switch features front cabling for easy access to ports:

- **10/100BaseTX Ports:** Connect standard Ethernet cables (RJ45) to these ports for 10 Mbps or 100 Mbps connections.
- **10/100/1000BaseTX or 100/1000BaseSFP Combo Ports:** These ports support either Gigabit Ethernet over copper (RJ45) or fiber optic connections via SFP modules. Insert appropriate SFP modules for fiber connectivity.

3. OPERATION

3.1 Powering On

Once connected to a power source, the switch will automatically power on. Observe the power indicator LEDs (PWR1, PWR2) on the front panel. They should illuminate to indicate successful power-up.

3.2 LED Indicators

The front panel features several LED indicators to provide status information:

- **PWR1/PWR2:** Indicates power supply status.
- **STATE:** Overall system status.
- **FAULT:** Indicates a system fault or error.
- **MSTR/HEAD:** Master/Head unit status in a redundant setup.
- **CPLR/TAIL/RESET:** Coupler/Tail unit status or reset function.
- **Port LEDs:** Each network port has LEDs indicating link status and activity.

3.3 Initial Configuration

For initial configuration and advanced management, connect a console cable to the **CONSOLE** port on the front panel and use a terminal emulation program. Alternatively, the switch can be accessed via its default IP address through a connected network port using a web browser or Telnet/SSH client. Refer to the full software manual for detailed configuration instructions.

4. MAINTENANCE

4.1 Cleaning

Regularly clean the exterior of the switch with a soft, dry cloth. Ensure the device is powered off before cleaning. Do not use liquid or aerosol cleaners directly on the unit.

4.2 Firmware Updates

Periodically check the Moxa website for firmware updates. Keeping the firmware up-to-date ensures optimal

performance, security, and access to new features. Follow the instructions provided with the firmware update package carefully.

4.3 Environmental Considerations

Ensure the operating environment remains within the specified temperature and humidity ranges to prevent damage and ensure reliable operation.

5. TROUBLESHOOTING

5.1 No Power

- Verify the power cable is securely connected to both the switch and the power outlet.
- Check the power source for functionality.
- Ensure the power supply unit (if external) is working correctly.

5.2 No Link on Port

- Check the Ethernet cable for damage and ensure it is properly seated in both the switch port and the connected device.
- Verify the connected device is powered on and functioning correctly.
- If using SFP modules, ensure they are correctly inserted and compatible.
- Try a different port or cable to isolate the issue.

5.3 Network Connectivity Issues

- Confirm IP address settings and subnet masks are correct for all devices.
- Check for IP address conflicts on the network.
- Review the switch's configuration for VLAN settings, port security, or other features that might be blocking traffic.
- Perform a factory reset if configuration issues are suspected (refer to the full manual for reset procedures).

6. SPECIFICATIONS

Feature	Detail
Brand	Moxa
Model	IKS-6726A-2GTXSFP-HV-T
Number of Ports	10 (8 x 10/100BaseTX, 2 x 10/100/1000BaseTX or 100/1000BaseSFP Combo)
Type	Modular Managed Ethernet Switch
Cabling	Front Cabling
Item Weight	25 pounds
Color	Gray
Compatible Devices	Desktop




Feature	Detail
UPC	747356312103
ASIN	B07C89M395




7. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, and service, please refer to the official Moxa website or contact your local Moxa distributor. Keep your purchase receipt and product serial number readily available when seeking support.

Moxa Official Website: www.moxa.com

Related Documents - IKS-6726A-2GTXSFP-HV-T

	<p>Moxa ioLogik E1200 Series User's Manual</p> <p>Comprehensive user manual for the Moxa ioLogik E1200 Series industrial Ethernet remote I/O devices, detailing installation, configuration, protocols (Modbus/TCP, EtherNet/IP), and technical specifications for industrial automation applications.</p>
	<p>Moxa TN-G4500 Series ToughNet Switch: Quick Installation Guide & Features</p> <p>Comprehensive guide for installing and configuring the Moxa TN-G4500 Series ToughNet M12 managed Ethernet switches. Covers features, panel layouts, mounting, wiring, and LED indicators for industrial and railway applications.</p>
	<p>TN Series Managed Ethernet Switch User Manual</p> <p>User manual for Moxa TN Series Managed Ethernet Switches, covering installation, configuration, features, and troubleshooting for models like TN-4500A and TN-5500A series.</p>

<p>IEX-402-SHDSL Series Quick Installation Guide Moxa Managed SHDSL Ethernet Extender</p> <p>Version 2.2, January 2021</p> <p>Technical Support Contact Information www.moxa.com/support</p>  <p>© 2021 Moxa Inc. All rights reserved.</p>	<p>Moxa IEX-402-SHDSL Series Quick Installation Guide: Managed SHDSL Ethernet Extender</p> <p>Quick installation guide for the Moxa IEX-402-SHDSL Series Managed SHDSL Ethernet Extender. Covers overview, package checklist, panel layout, mounting, wiring, DIP switches, LED indicators, and specifications.</p>
<p>MGate 5135/5435 Series User Manual</p> <p>Version 1.0, May 2019</p> <p>www.moxa.com/Products</p> 	<p>Moxa MGate 5135/5435 Series User Manual: Industrial Ethernet Gateway Configuration and Operation</p> <p>Comprehensive user manual for the Moxa MGate 5135/5435 series industrial Ethernet gateways. Covers setup, configuration via web console, network settings, serial port configuration, SNMP, Modbus, EtherNet/IP protocols, diagnostics, security, and maintenance.</p>
<p>ioLogik E1200 Series User Manual</p> <p>Version 10.0, August 2020</p> <p>www.moxa.com/Products</p> 	<p>Moxa ioLogik E1200 Series User Manual: Industrial Ethernet Remote I/O Guide</p> <p>Comprehensive user manual for the Moxa ioLogik E1200 Series industrial Ethernet remote I/O devices. Covers features, installation, configuration, Modbus/TCP, EtherNet/IP, and RESTful API for factory automation and industrial control.</p>