

FoMaKo P1000

FoMaKo P1000 8-Port PoE+ Gigabit Ethernet Switch User Manual

Model: P1000

1. INTRODUCTION

The FoMaKo P1000 is an unmanaged 8-port PoE+ Gigabit Ethernet switch designed for flexible network deployment. It provides Power over Ethernet (PoE) capabilities, allowing network devices such as IP cameras, wireless access points, and VoIP phones to receive both power and data over a single Ethernet cable. This switch features intelligent power management, PoE auto-recovery, and silent operation, making it suitable for various environments.

2. PRODUCT FEATURES

- **8 PoE+ Ports:** Compliant with IEEE 802.3af/at standards, providing a total PoE power budget of 120W, with a maximum of 30W per PoE+ port.
- **Intelligent Power Management:** Protects the switch from overload by automatically shutting down lower-priority ports if total PoE usage exceeds 120W. It also automatically detects and adjusts power levels for connected devices.
- **PoE Auto Recovery:** Automatically reboots dropped or unresponsive PoE-powered devices, ensuring continuous operation.
- **Plug and Play:** Offers instant connectivity without requiring any configuration.
- **Silent Operation:** Features a fanless design, reducing power consumption and ensuring quiet performance, ideal for noise-sensitive environments.
- **Sturdy Metal Case:** Durable metal casing supports desktop or wall-mounting installations.
- **Gigabit Speed:** All ports support 10/100/1000 Mbps for high-speed data transfer.
- **Extend Mode:** Allows for longer cable runs (up to 250m) at a reduced speed of 10Mbps.



Image: Overview of FoMaKo P1000 features.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- FoMaKo P1000 PoE+ Network Switch
- Installation Guide
- Power Adapter

4. SETUP

4.1 Connecting the Switch

1. **Power Connection:** Connect the included power adapter to the switch's power input port and then plug it into a standard electrical outlet. The power indicator light on the switch will illuminate.
2. **Network Device Connection:** Connect your network devices (e.g., IP cameras, access points, computers) to the switch's Ethernet ports using standard Ethernet cables. For PoE-powered devices, connect them to any of the 8 PoE+ ports. The switch will automatically detect and provide power if the device is PoE compliant.
3. **Uplink Connection:** Use one of the two uplink ports to connect the switch to your router, modem, or main network infrastructure.

Simply plug and play for instant connectivity with no configuration required.



Image: Connecting an Ethernet cable to the FoMaKo P1000 switch.

4.2 Using Extend Mode

The FoMaKo P1000 features an 'Extend' mode switch. When enabled, this mode allows for Power over Ethernet (PoE) and data transmission over longer distances (up to 250 meters) on the PoE ports. Note that enabling Extend mode will reduce the data transfer speed on the affected ports to 10Mbps.

- To enable Extend mode, locate the 'EXTEND' switch on the front panel and slide it to the 'ON' position.
- To disable Extend mode and restore full Gigabit speed (up to 100m), slide the switch to the 'OFF' position.

More application scenarios

Designed and produced for professional AV(audio video system)
Live Streaming / Live Production / Live Broadcasting. Suitable for Church worship live services, studio,
University, sports club, Training Classroom,



Church Live Stream



On-Site Production



University Education



Sports Club Live Stream



Live Concert Broadcast

Image: FoMaKo P1000 with the 250M Extension Switch highlighted.

5. OPERATING INSTRUCTIONS

5.1 Power over Ethernet (PoE) Functionality

The P1000 switch automatically detects and supplies power to IEEE 802.3af/at compliant devices connected to its PoE ports. No manual configuration is required for basic PoE operation. The switch provides up to 30W per port, with a total power budget of 120W across all 8 PoE+ ports.



Image: FoMaKo P1000 providing 120W power to connected devices.

5.2 Intelligent Power Management

The switch incorporates intelligent power management to prevent overload. If the total power consumption of connected PoE devices exceeds 120W, the switch will automatically prioritize power delivery and shut down power to lower-priority ports to protect the system. It also dynamically adjusts power levels based on device requirements.

Intelligent PoE Switches with Robust Metal Housing

The metal housing of a PoE switch provides superior heat dissipation, ensuring stable operation under high-power PoE loads. It also offers enhanced durability and electromagnetic interference (EMI) shielding for greater reliability.



Image: Intelligent Power Management in action with multiple devices.

5.3 PoE Auto Recovery

The PoE Auto Recovery feature automatically detects if a connected PoE device becomes unresponsive or drops offline. When this occurs, the switch will automatically reboot the power to that specific port, attempting to restore the device's functionality without manual intervention.

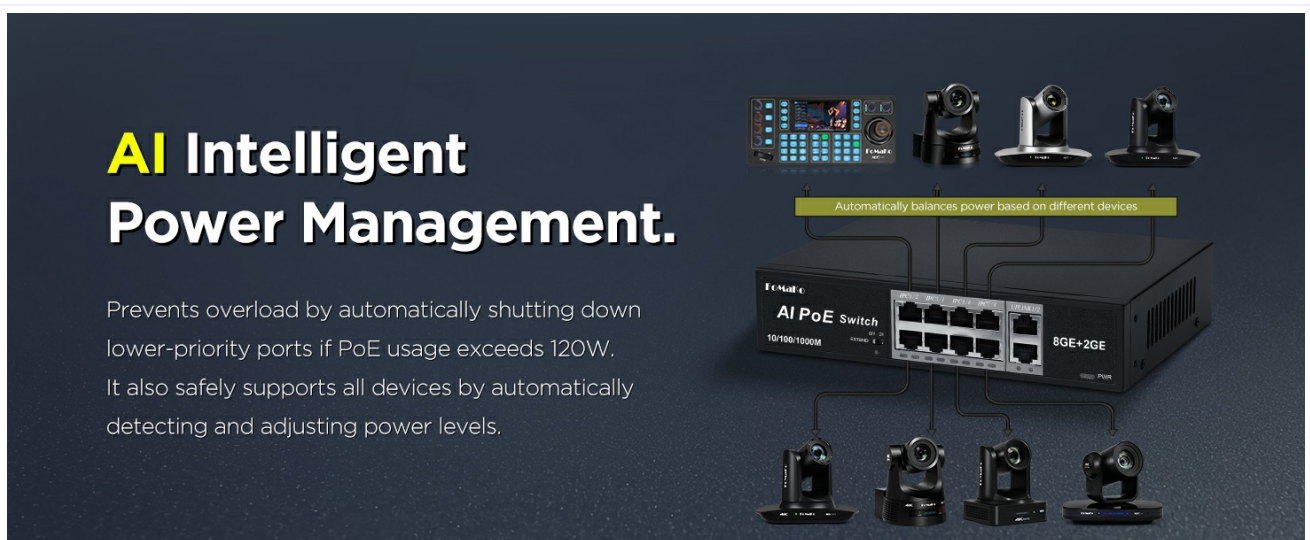


Image: PoE Auto Recovery process for unresponsive devices.

AI Intelligent Power Management.

Prevents overload by automatically shutting down lower-priority ports if PoE usage exceeds 120W. It also safely supports all devices by automatically detecting and adjusting power levels.

5.4 Silent Operation

The fanless design of the P1000 switch ensures completely silent operation, making it suitable for quiet environments such as offices, homes, or studios where fan noise would be disruptive.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the switch. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure the switch is placed in a well-ventilated area. Do not block the ventilation holes on the sides of the device.
- **Environment:** Operate the switch within the recommended temperature and humidity ranges specified in the technical specifications. Avoid exposure to extreme temperatures, direct sunlight, or moisture.
- **Cable Management:** Keep network cables organized to prevent strain on ports and ensure proper airflow.



Image: Robust metal housing for efficient heat dissipation.

7. TROUBLESHOOTING

If you encounter issues with your FoMaKo P1000 switch, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the switch and a working electrical outlet. Check if the power indicator light on the switch is on.
- **No Network Connection:** Verify that Ethernet cables are securely connected to both the switch and the connected devices. Check the link/activity LEDs on the switch ports; they should be lit or blinking. Ensure the uplink port is connected to a functional network device (router/modem).
- **PoE Device Not Powering On:** Confirm that the connected device is PoE compliant (IEEE 802.3af/at). Check the PoE status LED for the specific port. If the device is unresponsive, the PoE Auto Recovery feature may automatically reboot it. If not, try disconnecting and reconnecting the device, or power cycling the switch. Ensure the total PoE budget of 120W is not exceeded.
- **Slow Network Speed:** If you are using Extend Mode, note that speeds are reduced to 10Mbps. If not in Extend Mode, check cable quality and length. Ensure all devices support Gigabit Ethernet for optimal performance.

8. SPECIFICATIONS

Feature	Description
Brand	FoMaKo
Model Number	P1000
Number of Ports	8 PoE+ Ports, 2 Gigabit Uplink Ports (10 total)
PoE Standard	IEEE 802.3af/at
Total PoE Power Budget	120W
Max Power Per PoE+ Port	30W
Data Transfer Rate	1 Gigabits Per Second (10/100/1000 Mbps)
Switch Type	Unmanaged

Feature	Description
Extend Mode	Up to 250m at 10Mbps
Case Material	Metal
Color	Black
Included Components	FoMaKo P1000, Installation Guide, Power Adapter
UPC	735530572047

9. WARRANTY AND SUPPORT

FoMaKo is committed to providing high-quality products and excellent customer service.

- **3-Year Limited Warranty:** Your FoMaKo P1000 switch is covered by a 3-year limited warranty from the date of purchase.
- **30-Day Money-Back Guarantee:** Enjoy a 30-day no-questions-asked money-back guarantee for a risk-free purchase.
- **Free Online Training:** Resources are available to help you get started easily.
- **24/7 Expert Assistance:** For technical support or inquiries, contact our expert assistance team. Responses are typically provided within 24 hours. Please include your Order ID for faster service.
- **Lifetime Customer Technical Support:** Benefit from lifetime technical support for your product.

Your satisfaction is our priority. We are here to assist you with any questions or issues.

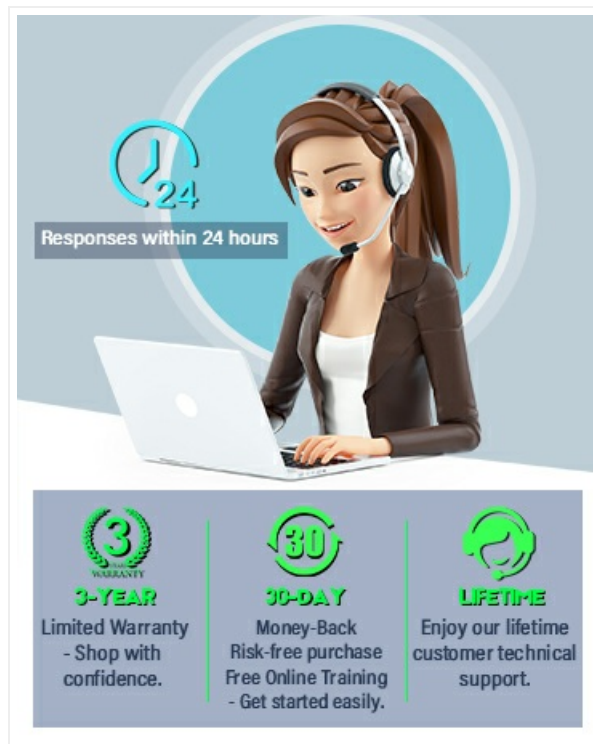


Image: FoMaKo customer support information.