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› SICSOLINK 24-Port Gigabit PoE+ Managed Switch (Model: WEB-P-K) User Manual

SICSOLINK WEB-P-K

SICSOLINK 24-Port Gigabit PoE+ Managed Switch User Manual

Model: WEB-P-K

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INTRODUCTION

This manual provides instructions for the installation, operation, and management of your SICSOLINK 24-Port Gigabit PoE+ Managed Switch (Model: WEB-P-K). This device is designed to provide reliable and efficient network connectivity with Power over Ethernet capabilities for small to medium-sized businesses and advanced home networks.

SETUP

1. Package Contents

Verify that your package contains the following items:

- SICSOLINK 24-Port Gigabit PoE+ Managed Switch
- Power Adapter
- Rackmount Kit

2. Physical Installation

The switch is designed for rackmount installation. Use the included rackmount kit to secure the switch in a standard 19-inch rack. Ensure adequate ventilation around the device to prevent overheating.

19" Rackmount design Include 19" Rackmount kit

4KV lighting Protection

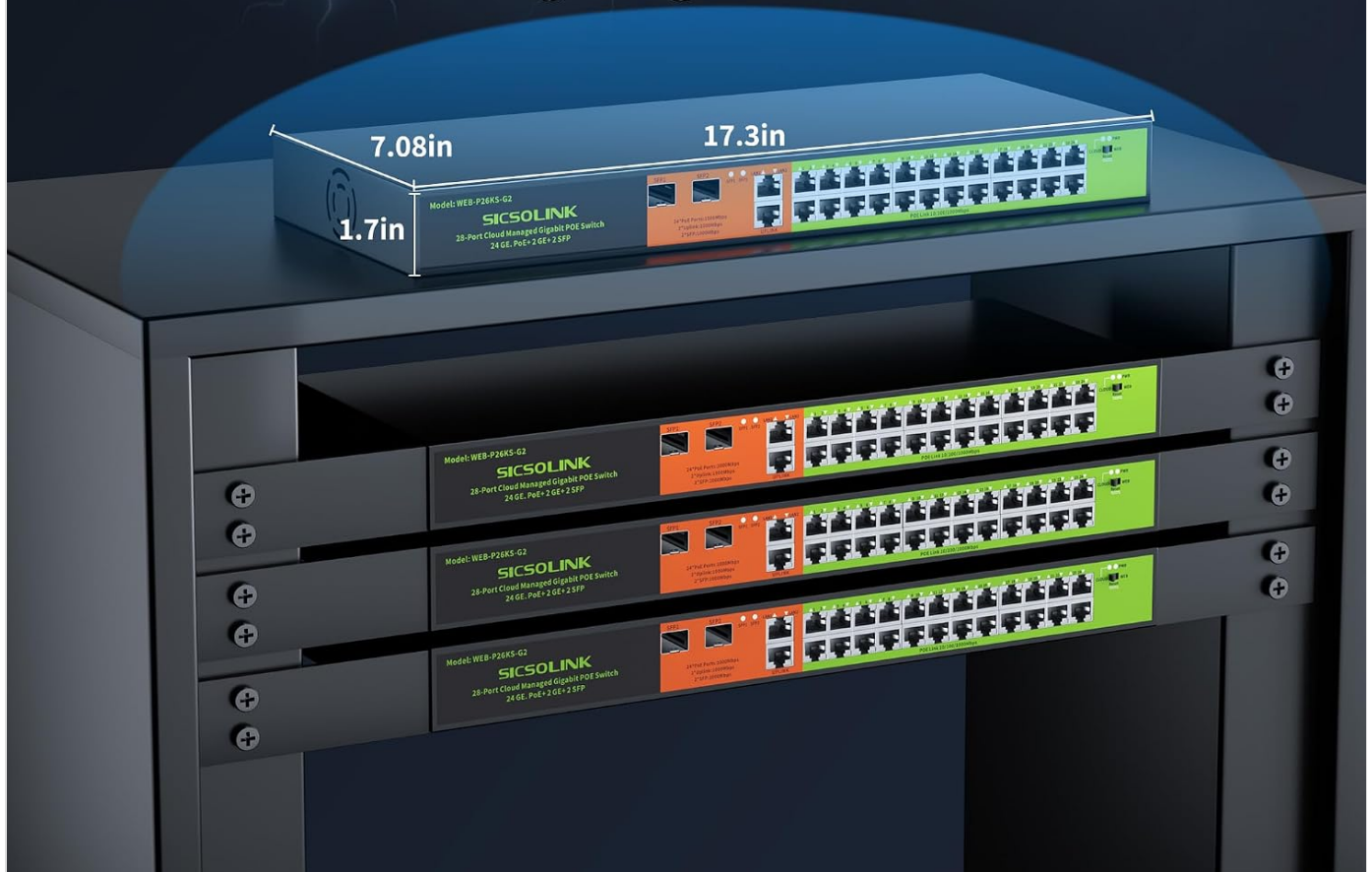


Image: The SICSOLINK switch shown installed in a 19-inch server rack, highlighting its rackmount design and dimensions.

3. Power Connection

Connect the provided power adapter to the switch's power input and then to a suitable power outlet. The power LED on the front panel should illuminate, indicating the device is receiving power.

4. Network Connections

Connect your network devices (computers, printers, cameras, access points, etc.) to the switch's RJ45 PoE ports. Use the uplink ports or SFP ports to connect to your router or core network infrastructure.

Need more ports? Instantly!

Add additional Ethernet ports to your mesh system,
high power budget up to 360W and SFP Ports for long transmission need.

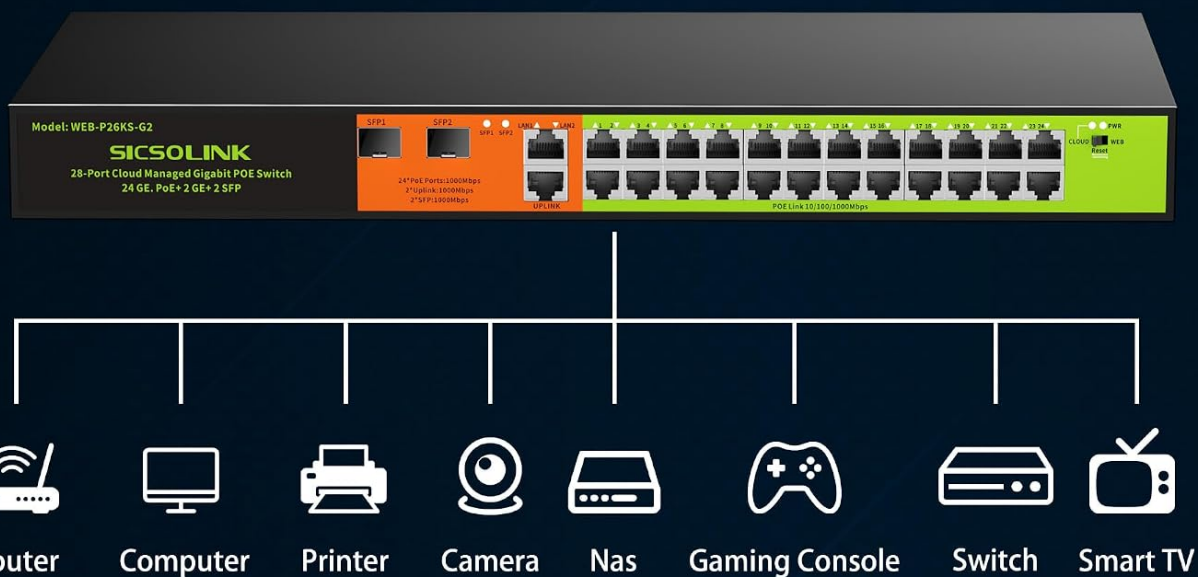


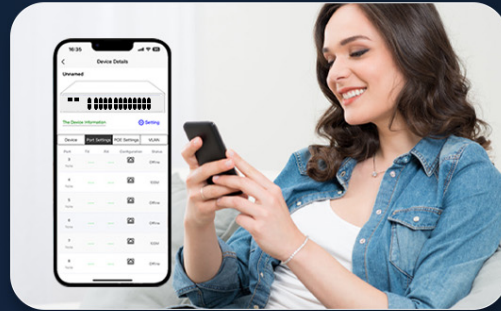
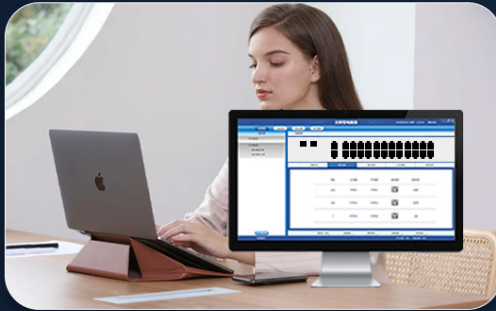
Image: A diagram illustrating how to connect various devices such as routers, computers, printers, cameras, NAS, gaming consoles, and smart TVs to the switch's 24 PoE ports, 2 uplink ports, and 2 SFP ports.

5. Management Options

The SICSOLINK switch offers two primary management modes: Cloud Management and Local Web Interface.

Two Management Modes

Cloud management access via mobile app and web portal



Local WEB
Administration



For Small
Businesses



Cost
Effective



Smart
Managed



Scalable

Image: This image depicts the two management modes available for the switch: a local web interface accessible via a computer and a cloud management option through a mobile application on a smartphone.

OPERATING INSTRUCTIONS

1. Cloud Management

For flexible remote management, use the SICSOLINK Cloud Management feature via the dedicated mobile application.

1. **Download the App:** Scan the QR code provided in the product packaging or search for the SICSOLINK app on your smartphone's app store.
2. **Create a Project:** Open the app, enter the device ID and key, or scan the ID code to create a new project.
3. **Connect Network & Power:** Ensure the switch is connected to your network and powered on.
4. **Connect Devices:** Connect your PoE-powered devices (e.g., IP cameras, wireless access points) to the switch.
5. **Manage:** Use the app to monitor and configure your switch and connected devices from anywhere.



Image: A visual guide detailing the five steps for setting up and using flexible cloud management via the SICSOLINK mobile application, from scanning a QR code to connecting devices and managing them.

2. Local Web Interface Management

For local management, access the switch's web interface via a web browser.

1. **Adjust Network Settings:** Ensure your PC's IP address is in the same subnet as the switch's default IP (refer to specifications for default IP).
2. **Set PC IP:** Configure your PC's IP address to match the switch's subnet.
3. **Login:** Open a web browser and enter the switch's IP address to access the login page.

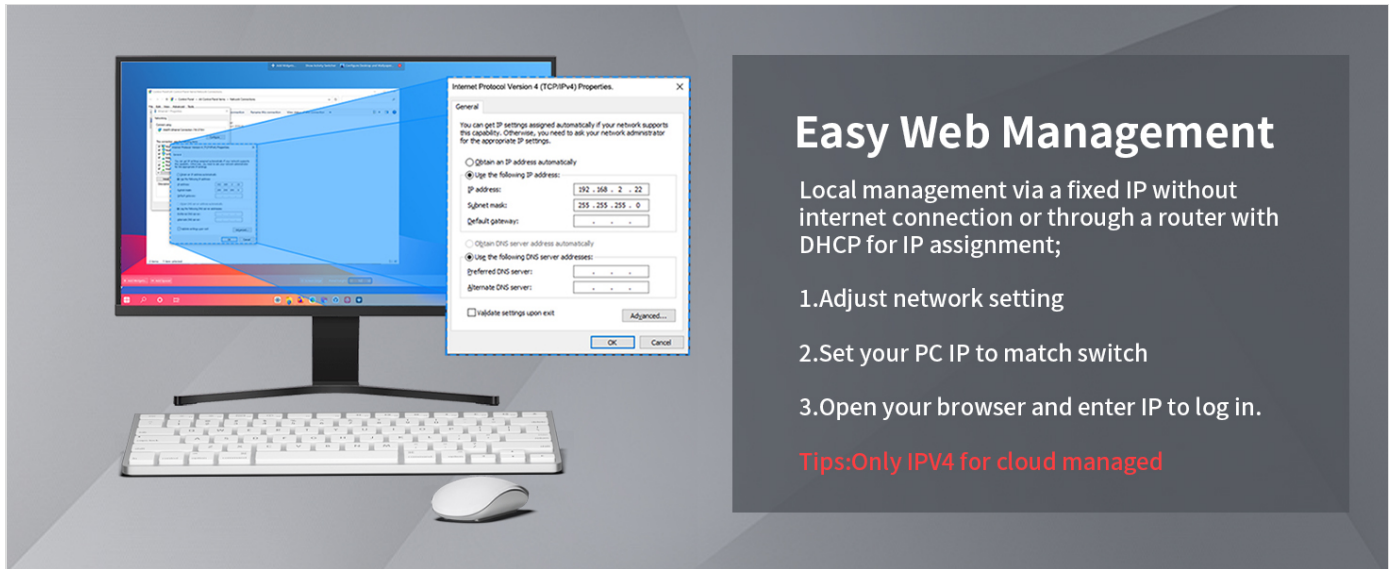


Image: A screenshot of a computer monitor displaying the web management interface for the SICSOLINK switch, with instructions on how to adjust network settings and log in.

3. VLAN Configuration

Utilize VLAN functionality to segment your network into logical groups, enhancing security and traffic management.

Vlan

Flexible segment network into logical groups, enhance traffic management and security.

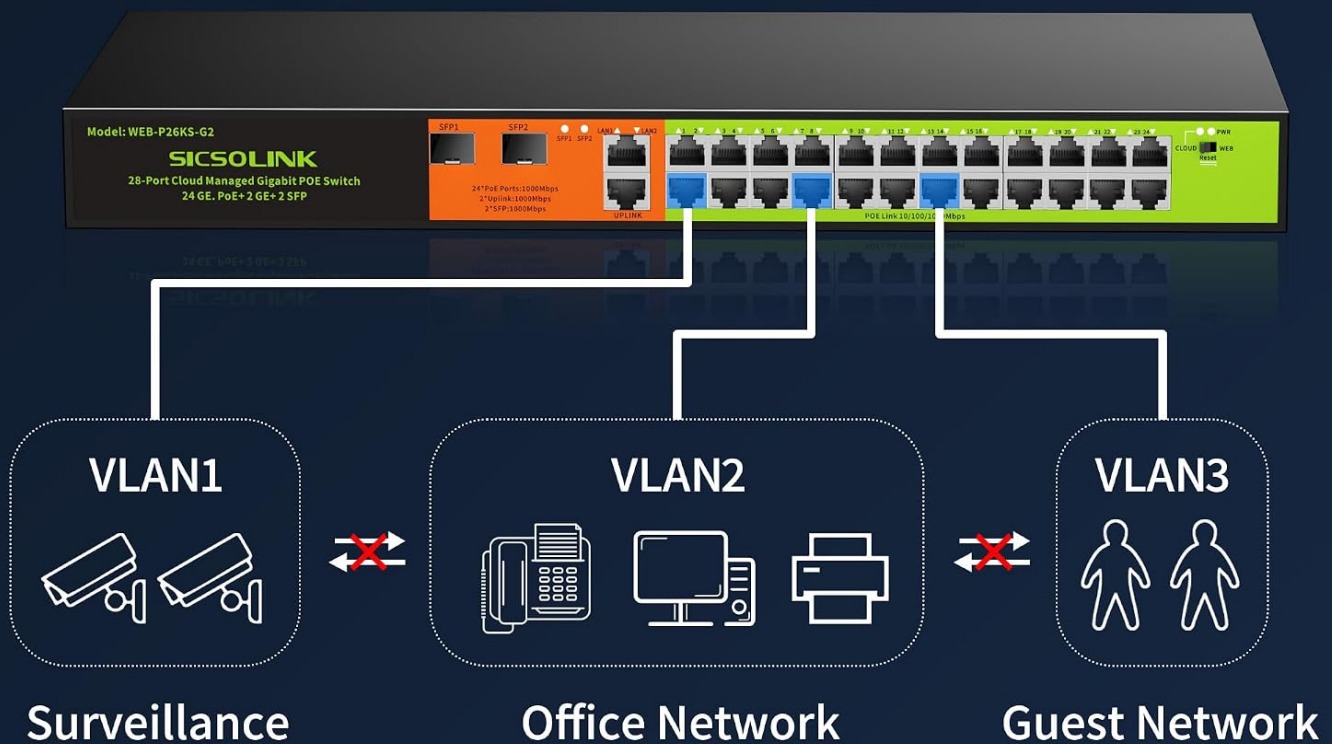


Image: A diagram showing how the SICSOLINK switch can segment a network into different VLANs (VLAN1 for Surveillance, VLAN2 for Office Network, VLAN3 for Guest Network) to enhance traffic management and security.

4. PoE Scheduling

Schedule power delivery for each PoE port to optimize energy usage and manage device uptime.

POE Scheduling

Enhance management flexibility and save energy efficiently



POE time control

Allow custom poe power supply
time periods

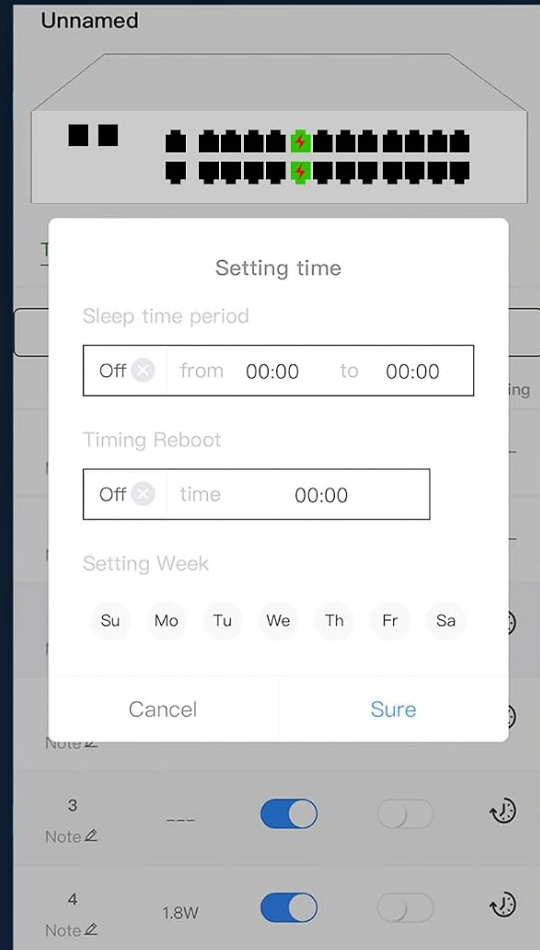


Image: A screenshot of the PoE schedule interface, demonstrating how to set custom power supply time periods for connected devices, enhancing management flexibility and energy efficiency.

5. Port Rate Limiting

Allocate specific bandwidth for incoming and outgoing traffic on each port to maximize bandwidth utilization efficiency.

Port Rate Limiting

Allows allocating a special bandwidth for incoming and outgoing traffic from each port.
Maximize bandwidth utilization efficiency.

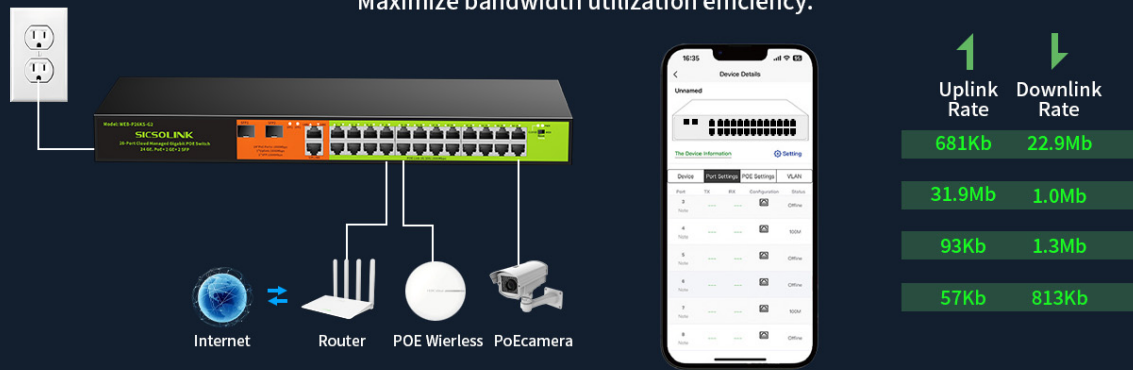


Image: An illustration demonstrating port rate limiting, allowing users to allocate specific uplink and downlink bandwidth for each port to optimize network performance.

6. AI Watchdog Function

The AI Watchdog function automatically resets the PoE of a port if data traffic is too low or the connected device stops responding. This ensures continuous operation of PoE-powered devices.

- This feature is turned off by default.
- Ensure the connected device's network and PoE are working properly before activating this feature.

AI Watchdog

When the AI watchdog function is activated, if the data traffic is too low or the device stops responding, the switch will automatically reset the poe of the port every 4 minutes until the network connection is normal.



Tips: This feature is turned off by default, and you need to make sure that the connected device's network and POE are working properly to activate the feature after you turn it on for the first time.

Image: A diagram showing the AI Watchdog function, where the switch automatically resets the PoE port if a connected camera's data traffic is low or unresponsive, restoring its operation.

7. Remote Control Network System via SSC APP

Manage all your devices and SICSOLINK managed switches from anywhere, anytime, with multi-location support and configuration cloning.

Remote Control Network System via SSC APP

support multi-location and configuration clone, you can managed all your devices and SICSOLINK managed switch anywhere and anytime.

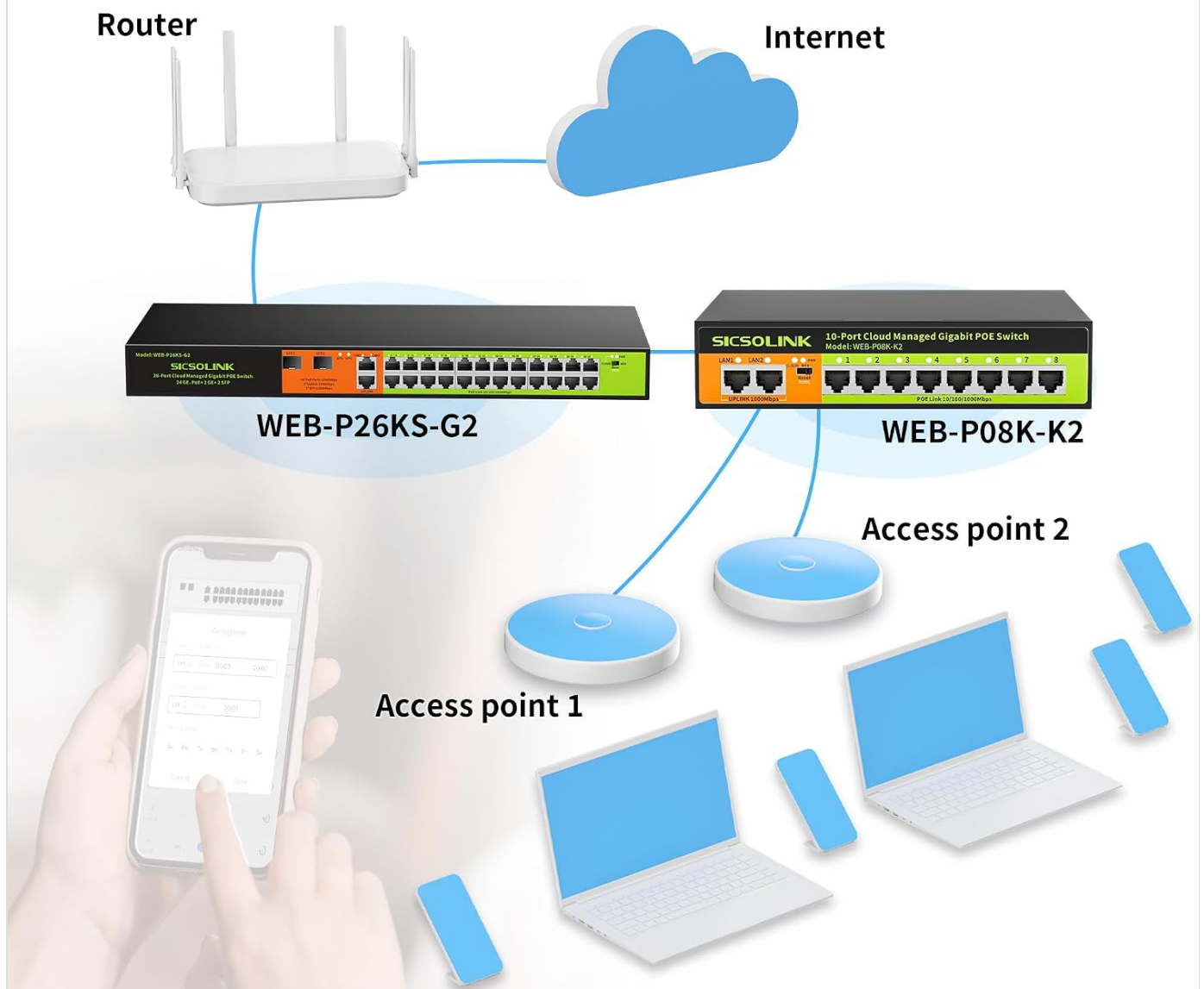


Image: A diagram illustrating a remote control network system, where a user can manage multiple SICSOLINK switches and connected devices via the SSC mobile application, connected to the internet through a router.

8. Video Overview of Cloud Managed Gigabit PoE Switch

Your browser does not support the video tag.

Video: An official product video from SICSOLINK demonstrating the features and capabilities of the cloud-managed gigabit PoE switch, including its management interface and various functions.

MAINTENANCE

1. Cooling System

The switch features a semi-industrial fan for superior cooling. The fan operates quietly at low speed for fewer than 10 connections. Above 10 connections, it ramps up to maintain optimal internal temperatures under load, extending the lifespan of the device. Note that potential noise may occur during high-speed operation.

Dual Mode Cooling Solution for High Power Supply

As a professional switch manufacturer, we prioritize stability under heavy load. This model features a semi-industrial fan for superior cooling.

The fan runs at low speed for fewer than 10 connections.

Above 10, they ramp up to maintain optimal internal temperatures under load, extending lifespan.



Image: A detailed diagram showcasing the dual-mode cooling solution with a semi-industrial fan, designed to maintain optimal temperatures under varying load conditions for high power supply.

2. Power-Saving Features

The switch includes features to optimize energy consumption:

- **PoE Schedule:** Automatically restart power to ports at scheduled times.
- **Unused Ports Disables:** Control the status of ports to disable unused ones, saving power.

Power-saving Feature

Good for the Planet, Good for your Budget

PoE Schedule

Auto power restart on time

Device Details

Unassigned

Port Settings

Device	Port	Power	WOL	Wake
LAN1	1	On	On	Wake
LAN2	2	On	On	Wake
LAN3	3	On	On	Wake
LAN4	4	On	On	Wake
LAN5	5	On	On	Wake
LAN6	6	On	On	Wake
LAN7	7	On	On	Wake
LAN8	8	On	On	Wake
LAN9	9	On	On	Wake
LAN10	10	On	On	Wake

Unused Ports Disables

Port status switch to control

Tips: Network connection is required for this function

Image: An illustration highlighting the power-saving features of the switch, including PoE scheduling for automatic power restarts and the ability to disable unused ports to conserve energy.

3. Power Protection

The switch is equipped with multiple power protection mechanisms:

- Smart Power Detect
- Over-Voltage Protection
- Short-Circuit Protection
- High Power Voltage Soft Start
- 4KV Lightning Protection



Image: An illustration detailing the various power protection features of the SICSOLINK switch, including smart power detection, over-voltage protection, short-circuit protection, high power voltage soft start, and 4KV lightning protection.

TROUBLESHOOTING

General Network Issues

- **No Connectivity:** Check all cable connections. Ensure the switch is powered on and indicator lights are active. Verify IP configurations for local management.
- **Slow Network Speed:** Check for excessive network traffic. Ensure devices are connected to appropriate ports (Gigabit). Consider enabling port rate limiting if specific devices are consuming too much bandwidth.

PoE Device Issues

- **PoE Device Not Powering On:** Verify the device is PoE compatible (IEEE802.3AT/AF standards). Check the PoE budget (30W per port, 360W total). Ensure the port's PoE function is enabled in the management interface.
- **Intermittent PoE Power:** Check for loose connections. Consider activating the AI Watchdog function for automatic port resets if devices become unresponsive.

Management Access Issues

- **Cannot Access Web Interface:** Ensure your PC's IP address is in the same subnet as the switch. Clear browser cache or try a different browser.
- **Cloud App Connection Issues:** Verify the switch has internet access. Check app permissions and ensure the device ID/key are correctly entered.

SPECIFICATIONS

Feature	Description
Brand	SICSOLINK
Model Number	WEB-P-K
Number of Ports	28 (24 PoE+, 2 Uplink, 2 SFP)
PoE Standard	IEEE 802.3AT/AF
Max PoE Output Per Port	30W
Total PoE Power Budget	360W
Data Transfer Rate	1 Gigabit Per Second (Full Gigabit)
Switch Type	Managed (Cloud/Web Smart)
Dimensions (L x W x H)	10.5" x 3.5" x 18.3"
Item Weight	1.6 Pounds
Color	Black
Included Components	Power Adapter, Rackmount Kit
Upper Temperature Rating	40 Degrees Celsius

Feature	Description
Compatible Devices	Camera, Desktop, Laptop, Printer

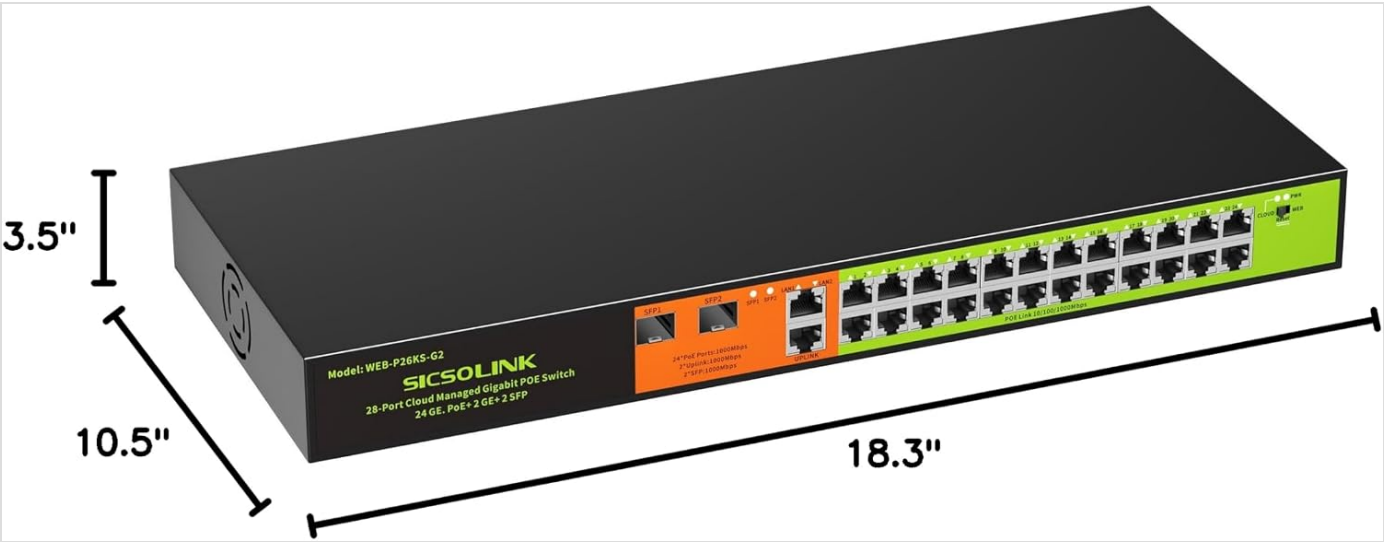


Image: A top-down view of the SICSOLINK switch with its dimensions clearly labeled: 18.3 inches long, 10.5 inches deep, and 3.5 inches high.

WARRANTY & SUPPORT

Warranty Information

The SICSOLINK 24-Port Gigabit PoE+ Managed Switch comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Technical Support

For any questions, technical assistance, or advice regarding your SICSOLINK product, please contact our support team. Our English-speaking advisors and tech experts are available to assist you.

- **Contact:** Refer to the contact information provided in your product packaging or on the official SICSOLINK website.
- **Response Time:** We aim to respond to all inquiries within 24 hours.

