



POE SWITCH

4CH/8CH/16CH/24CH



Quick Operation Guide

V2.0

*Product specifications and appearance are for reference only and are subject to change without notice.

Safety Information:

- ▶ Operating Environment: Do not install the equipment in direct sunlight, near heat sources or in damp, dusty, or smoky locations.
- ▶ Installation & Ventilation: Install the equipment on a stable, level surface to prevent accidental falling. Ensure the location is well-ventilated and do not block the ventilation vents.
- ▶ Liquids & Objects: Prevent liquids from spilling into the equipment. Do not place containers filled with liquids on it.
- ▶ Operating Conditions: Operate and store the equipment within the specified temperature, humidity, and electrical input/output ranges.
- ▶ Power Source: Use only the provided power cable. The power source must match the specifications on the product label.
- ▶ Disassembly: Do not disassemble the equipment.

1. Package Contents

Item	Description	Number of Pieces
1	PoE Switch	1pc
2	Power Cord	1pc
3	L-Shaped Mounting Bracket	2pcs
4	Mounting Screw	8pcs
5	User Manual	1pc

*L-shaped mounting brackets and mounting screws are only available for 16CH and 24CH PoE switch, not available for 4CH and 8CH PoE switch.

2. Product Overview

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This series of PoE switches provides both network connectivity and power to standard PoE/PoE+ devices, such as IP cameras, wireless access points, and VoIP phones. They feature plug-and-play operation, requiring no configuration.

Model Name	PoE Ports	Uplink Ports	SFP Slots	Switching Capacity	Total PoE Power Budget
CF-SWP-2504	4 x 10/100 Mbps	2 x 10/100 Mbps	0	1.2Gbps	65W
CF-SWP-2508	8 x 10/100 Mbps	2 x 10/100 Mbps	0	2.0Gbps	120W
CF-SWP-2508UG-SFP	8 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	1	22Gbps	120W
CF-SWP-25016UG-SFP	16 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	1	38Gbps	300W
CF-SWP-25024UG-SFP	24 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps	2	56Gbps	300W

3. Panel Overview

- Ports (1 - [X]): These Fast Ethernet / Gigabit Ethernet ports support auto-negotiation for speed and duplex mode.
- PoE Indicator: The red LED lights up when a PoE device is successfully connected and receiving power.
- Link/Activity (L/A) Indicator: The green LED blinks fast to indicate data transmission activity.
- Power (PWR) Indicator: A steady red light indicates that the switch is powered on and operating normally.

LED Indicator	Color	State	Description
PWR (Power)	Red	Steady On	The PoE switch is powered on.
		Off	The PoE switch is powered off.
PoE Ethernet Port	Red	Steady On	A PoE device is connected and receiving power.
		Off	No PoE device is connected, or the connected device is non-PoE.
	Green	Slow Blinking	Port is connected but no data is being transmitted.
		Fast Blinking	Data is being transmitted.
	Yellow	Steady On	Extended distance mode is on.
Uplink	Green	Steady On	Link is established with a network device.
		Off	No link is established.
		Blinking	Data activity is present on the link.
SFP	Green	Steady On	Link is established with a fiber optic device.
		Off	No link is established with a fiber optic device.
		Blinking	Data activity is present on the fiber link.

5. Key Features & Specifications

- Network Ports: 10/100Mbps or 10/100/1000 Mbps RJ45 ports, with PoE+ ports
- PoE Standards: IEEE 802.3af (PoE), IEEE 802.3at (PoE+)
- Extended Reach Mode: Supports data and power transmission up to 250 meters*
- PoE Power Output per Port: Max. 30W
- Ease of Use: Auto-negotiation and Auto-MDI/MDIX on all ports
- Zero-Touch Operation: True plug-and-play, requiring no configuration
- Robust Protection: 6kV surge protection for Ethernet ports
- Quiet & Efficient: Fanless design for silent operation
- Operating Temperature: 0°C to 55°C
- Working Humidity: 20~95%
- Storage Temperature: -20°C to 70°C

Standard Connection & Setup:

- 1). Power Off: Before starting, ensure all equipment (signal source, switch, and connected devices) is powered off. Connecting live equipment may cause damage.
- 2). Inspect Cables: Verify that the network cables you plan to use are free from damage and are not currently in use by other equipment.
- 3). Connect PoE Device: Use a network cable to connect your PoE device (e.g., IP camera) to one of the PoE ports on the switch.
- 4). Connect to Network: Use another network cable to connect the Uplink port on the switch to your network device (e.g., a router or an NVR).
- 5). Final Check: Double-check all connections to ensure they are secure and correct. Inspect for any physical damage to the equipment.
- 6). Power On: Connect the power cord to the switch and then to a power outlet.
- 7). Verify Operation: Confirm that the Power (PWR) LED is lit and that the corresponding PoE and Link/Activity (L/A) LEDs illuminate for the connected ports.

To Enable 250-Meter Extended Distance Mode:

- 1). First, complete all standard installation steps (1-5) above.
- 2). Locate the "Extend" switch on the PoE Switch and toggle it to the "On" position.
- 3). Power On: Connect the power cord to the switch and then to a power outlet.
- 4). The device will now support data and power transmission up to 250 meters with compatible devices.

Problem: Power (PWR) LED is off.

Solution: Verify that the power cord is firmly connected to both the switch and the power outlet.

Problem: PoE LED for a specific port is off.

Solution: Confirm that the connected device is PoE-compliant (IEEE 802.3af/at). Replace the Ethernet cable with a known-good one. The connected device may exceed the port's power limit or the total PoE power budget.

Problem: No link/activity on a port.

Solution: Ensure the Ethernet cable is securely inserted at both ends (switch and device). Test with a different cable or on a different port.

Problem: Connected PoE device reboots intermittently.

Solution: The device's peak power draw may exceed the available power. Disconnect other PoE devices to free up budget or verify that the device's power requirements are within the port's and switch's total capacity.