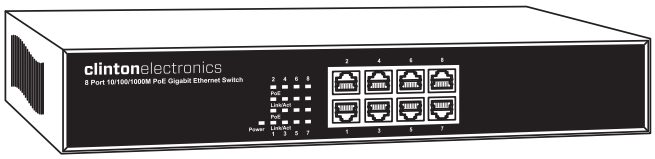
CE-PSG-5088V

8-PORT 10/100/1000Mbps PoE+ GIGABIT ETHERNET SWITCH

Quick Installation Guide



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FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE Warning

This is a class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

DISCLAIMER

Clinton Electronics reserves the right to change the contents of this manual without prior notice.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CAUTION

To prevent electric shock and risk of fire hazards:
- Do NOT use power sources other than that specified.
- Do NOT expose the inside of this appliance to rain or moisture.

INTRODUCTION

This Switch provides (8) 10/100/1000Mbps NWAY RJ-45 ports. It was designed for easy installation and high performance in an environment where traffic on the network and the number of users increase continuously. With the newest Gigabit chip set, this Gigabit Ethernet switch can fully support the highest speed without problem, even when Full-Duplex is under load.

It consists of (8) PSE/PoE+ ports that can solve the limitation of the power outlet location and offer the system designer a flexible solution to locate the network device everywhere.

This is specifically designed for medium to large work-groups. This Switch can be installed where space is limited; moreover it provides smooth network migration and is an easy upgrade to network capacity.

PACKAGE CONTENTS

Before you start to install this 8-Port Gigabit Ethernet Switch, please verify that the box contains the following items:

(1) 8-Port Gigabit Ethernet Switch
(1) AC Power Cord
(1) Quick Installation Guide
(1) Rack-Mount Bracket

KEY FEATURES

- Complies with the IEEE802.3 Ethernet, IEEE802.3u Fast Ethernet and IEEE 802.3ab/z Gigabit Ethernet Standards
- Provides (8) 10/100/1000Mbps Gigabit switching ports
- Supporting the power Max. 30 Watts for each PSE/PoE+ port with total power consumption of 130 Watts (Max)
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Store-and-forward operation support
- Provides 8K MAC address entry
- Supports broadcast storm filtering
- All ports provide Auto-Negotiation and Auto-MDI/MDI-X functions
- Supports flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode
- Smart plug & play

FRONT PANEL (LEDs)

The LED indicators: Power, PoE, Link/Activity make it easier to monitor the switch and its connections.

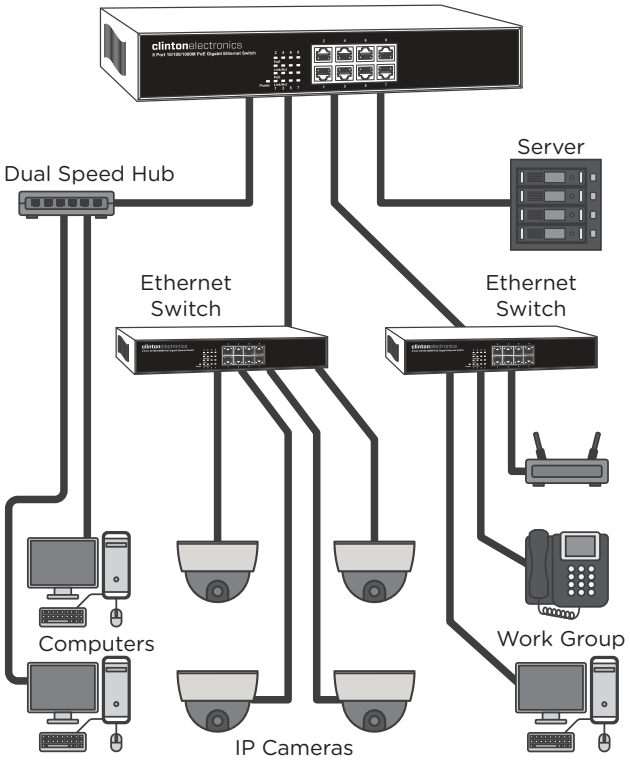
LED	STATUS	DESCRIPTION
Power	On	Power is ON
	Off	Power is OFF
PoE	On	Port is linked to a PSE/PoE device
	Off	No PSE/PoE device is linked
LINK / ACT	On	Valid port connection
	Flashing	Valid port connection, Data transmited/ received
	Off	No link established

NOTE: If a status LED doesn't indicate a link or activity, check the corresponding device for proper connection, setup and operation.

CONNECTIONS

Switch/Hub to this 8 Port Gigabit Ethernet Switch

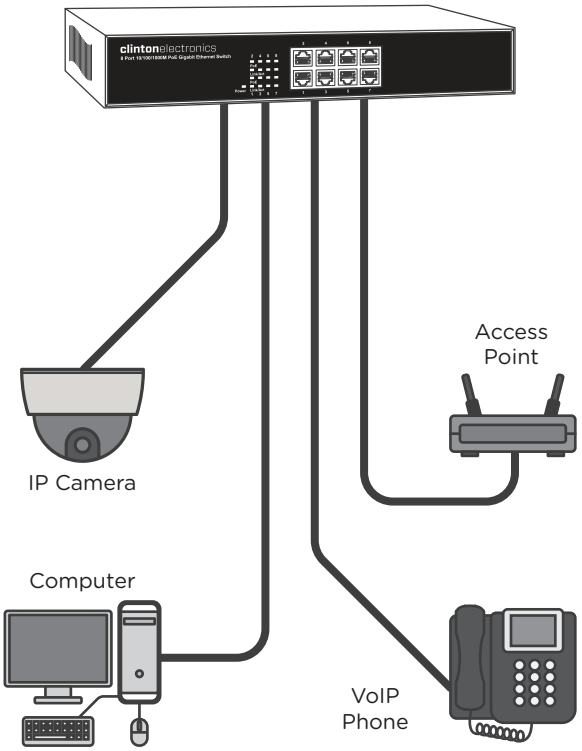
This switch provides automatic crossover detection functionality for any port. It is simple and friendly to up-link to another switch without crossover cable.



CONNECTIONS

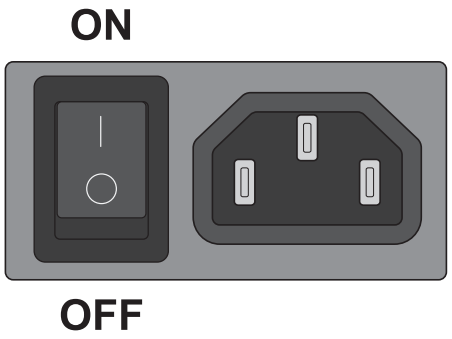
PC/Other devices to this 8 Port Gigabit Ethernet Switch

Via a twisted pair cable straight through, this switch can be connected to PCs, servers and other network devices.



REAR PANEL (POWER)

Use the included power cord to connect the device (next to the On/Off switch on the rear panel) to an AC outlet. Confirm that the power LED on the front panel is lit.



INSTALLATION TIPS

As with any electrical device, you should place the switch where it will not be subjected to extreme temperatures, humidity or electromagnetic interference:

- Place the switch on a level surface with at least 25 mm (approx. 1") of clearance for ventilation.
- The ambient temperature should be between 32 and 104 degrees Fahrenheit.
- The relative humidity should be less than 90 percent, non-condensing.
- Surrounding electrical devices should not exceed the electromagnetic field (RFC) standards for IEC 801-3, Level 2 (3V/M) field stength.
- Make sure that the switch receives adequate ventilation. Do not block the fan exhaust port on the switch.
- The power outlet should be within 5 feet of the switch.
- Do not place objects on top of the unit.
- Always avoid dust and dirt.

TECHNICAL SPECIFICATIONS

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z IEEE 802.3x Flow control IEEE 802.3at PoE+
Features	10/100/1000BaseTX (8) RJ-45 Connectors MAC Address: 8K Buffer memory: 2M bit Method: Store and Forward
Filtering/ Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps – 14,880pps
LED Indicators	Power and PD Link
Power Requirement	100~240V/AC, 50~60Hz
Power Consumption	130 Watts (Max)
Dimensions (L x W x H)	10.47" x 6.3" x 1.73"
Weight	3.35 lbs
Operating Temperature	32°F ~ 104°F 10 ~ 90% RH (non-condensing)
Certifications	UL, FCC Class A, CE